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(81) **Bestimmungsstaaten** *(soweit nicht anders angegeben, für jede verfügbare nationale Schutzrechtsart)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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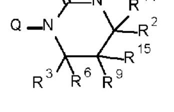
(54) **Title:** SUBSTITUTED N-HETEROCYCLYL- AND N-HETEROARYL-TETRAHYDROPYRIMIDINONES AND THE SALTS THEREOF, AND THE USE OF SAME AS HERBICIDAL ACTIVE SUBSTANCES

(54) **Bezeichnung:** SUBSTITUIERTE N-HETEROCYCLYL- UND N-HETEROARYL-TETRAHYDROPYRIMIDINONE SOWIE DEREN SALZE UND IHRE VERWENDUNG ALS HERBIZIDE WIRKSTOFFE



(I)

(57) **Abstract:** The invention relates to substituted N-heterocyclyl- and N-heteroaryl-tetrahydropyrimidinones of general formula (I) or the salts (I) thereof, wherein the groups in general formula (I) are as defined in the description, and to the use of same as herbicides, in particular for controlling weeds and/or weed grasses in crops of cultivated plants and/or as plant growth regulators for influencing the growth of crops of cultivated plants.

(57) **Zusammenfassung:** Die vorliegende Erfindung betrifft substituierte N-Heterocyclyl- und N-Heteroaryl- tetrahydropyrimidinone der allgemeinen Formel (I) oder deren Salze (I) wobei die Reste in der allgemeinen Formel (I) den in der Beschreibung gegebenen Definitionen entsprechen, sowie deren Verwendung als Herbizide, inbesondere zur Bekämpfung von Unkräutern und/oder Ungräsern in Nutzpflanzenkulturen und/ oder als Pflanzenwachstumsregulatoren zur Beeinflussung Wachstums von Nutzpflanzenkulturen.

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[Fortsetzung auf der nächsten Seite]

Erklärungen gemäß Regel 4.17:

— *hinsichtlich der Berechtigung des Anmelders, ein Patent zu beantragen und zu erhalten (Regel 4.17 Ziffer ii)*

Veröffentlicht:

— *mit internationalem Recherchenbericht (Artikel 21 Absatz 3)*

Bayer CropScience AG/Bayer AG

Substituted N-heterocyclyl- and N-heteroaryl-tetrahydropyrimidinones and the salts thereof, and the use of same as herbicidal active substances

Description

The invention relates to the technical field of crop protection agents, in particular that of herbicides for the selective control of broad-leaved weeds and weed grasses in crops of useful plants.

Specifically, the present invention relates to substituted N-heterocyclyl- and N-heteroaryltetrahydropyrimidinones and salts thereof, to processes for their preparation and to their use as herbicides.

In their application, crop protection agents known to date for the selective control of harmful plants in crops of useful plants or active compounds for controlling unwanted vegetation sometimes have disadvantages, be it (a) that they have no or else insufficient herbicidal activity against particular harmful plants, (b) that the spectrum of harmful plants which can be controlled with an active compound is not wide enough, (c) that their selectivity in crops of useful plants is too low and/or (d) that they have a toxicologically unfavorable profile. Furthermore, some active compounds which can be used as plant growth regulators for a number of useful plants cause unwanted reduced harvest yields in other useful plants or are not compatible with the crop plant, or only within a narrow application rate range. Some of the known active compounds cannot be produced economically on an industrial scale owing to precursors and reagents which are difficult to obtain, or they have only insufficient chemical stabilities. In the case of other active compounds, the activity is too highly dependent on environmental conditions, such as weather and soil conditions. The herbicidal activity of these known compounds, in particular at low application rates, and/or their compatibility with crop plants remain in need of improvement.

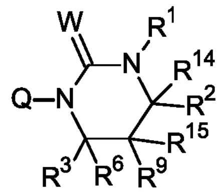
Various documents describe substituted pyrrolones and hydantoins having herbicidal properties. WO2016/071359 and WO2016/071360 disclose pyrrolones carrying heterocyclic substituents at the nitrogen including, for example, isoxazolines which are optionally substituted further. Furthermore, substituted pyrrolones and their herbicidal or pesticidal properties are described in CH633678, DE 2735841, DE, EP0297378, EP0334133, EP0339390 and EP0286816. Substituted pyrazolylpyrrolones and their use as herbicidally active compounds are described, for example, in WO2015/018434. Furthermore, it is known that certain substituted carbamoyloxypyrrolones can be employed as growth regulators or germination stimulators (cf. WO2014/131843). The structural motif of the hydroxypyrrolones is also found in substances isolated from *Lilium candidum*, for example 1,5-dihydro-

5-hydroxy-3,4‘-dimethyl-[1,2‘-bi-2H-pyrrolo]-2,5‘(1'H)-dione (cf. Ceska a Slovenska Farmacie, 2007, 56, 27; Neoplasma, 2000, 47, 313).

In addition, WO2016/071361, WO2016/071362, WO2016/071363 and WO2016/071364 describe substituted hydantoins which also carry heterocyclic substituents at the nitrogen, for example isoxazolines which are optionally substituted further.
Selected specifically substituted 1,3,4-thiadiazolyl- and 1,2,4-thiadiazolyl-2,5-dioxoimidazolines and their herbicidal action are described in DE2247266. Particular substituted 1,3,4-thiadiazolyltetrahydropyrimidinones and their alkoxy, acyloxy, carbamoyloxy derivatives are described in US4006009, US3988143, US3951976, DE2540366 and US3932410, while the corresponding carbonates and thiocarbonates of particular substituted 1,3,4-thiadiazolyltetrahydropyrimidinones and their synthesis are described in US4040812. It is additionally known that tetrahydropyrimidinones substituted by tetrahydrobenzothiazolyl groups can be used as herbicidally active compounds (cf. EP122761). Certain N-aryl-substituted tetrahydropyrimidinones have been described as substructures of histone methyltransferase modulators (cf. WO2012/082436).

By contrast, the use of N-heterocyclyl- and N-heteroaryltetrahydropyrimidinones, in particular of N-pyridyl-, N-pyrimidinyl-, N-pyrazolyl- and N-isoxazolyltetrahydropyrimidinones optionally having further substitution or salts thereof as herbicidally active compounds is yet to be described. Surprisingly, it has now been found that selected N-heterocyclyl- and N-heteroaryltetrahydropyrimidinones or salts thereof are particularly suitable as herbicides.

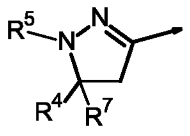
The present invention accordingly provides substituted N-heterocyclyl- and N-heteroaryltetrahydropyrimidinones of the general formula (I) or salts thereof



(I)

in which

Q represents the groups Q-1 to Q-30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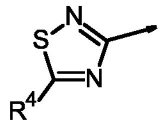
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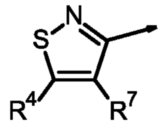
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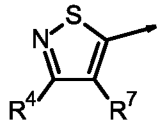
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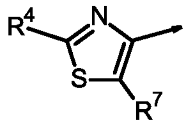
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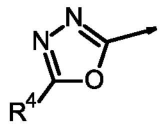
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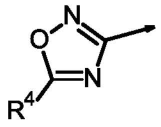
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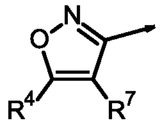
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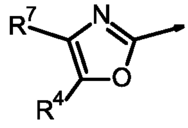
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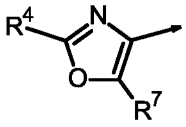
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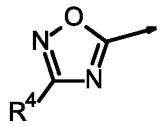
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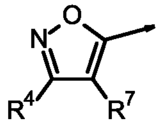
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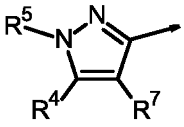
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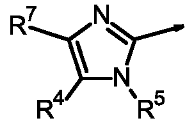
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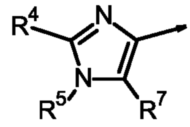
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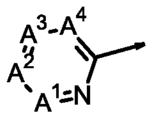
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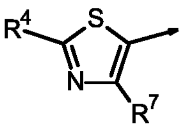
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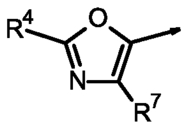
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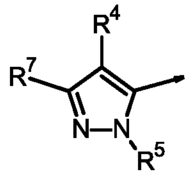
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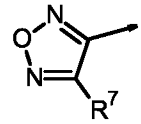
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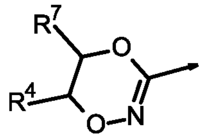
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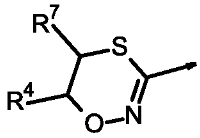
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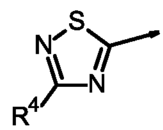
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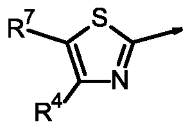
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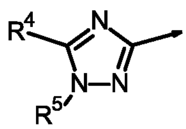
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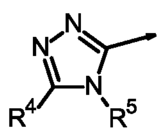
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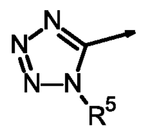
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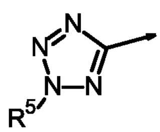
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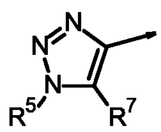
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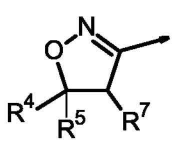

Q-30

where the arrow represents a bond of the respective Q group to the nitrogen of the tetrahydropyrimidinone in the general formula (I),

A^1, A^2, A^3, A^4 are identical or different and independently of one another represent N (nitrogen) or the moiety C-R^8, but there are never more than two adjacent nitrogen atoms, and where R^8 in the moiety C-R^8 in each case has identical or different meanings according to the definition below, or

A^1 and A^2, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution, or

A^2 and A^3, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution, or

A^3 and A^4, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution,

R^1 represents hydrogen, hydroxy, (C_1-C_8)-alkyl, (C_1-C_8)-haloalkyl, (C_1-C_8)-hydroxyalkyl, hydroxycarbonyl-(C_1-C_8)-alkylene, (C_1-C_8)-alkoxy, (C_1-C_8)-alkoxy-(C_1-C_8)-alkylene, (C_1-C_8)-alkoxyalkyloxy, (C_1-C_8)-haloalkoxy, (C_3-C_{10})-cycloalkyl, (C_3-C_{10})-halocycloalkyl, aryl, heteroaryl, (C_3-C_{10})-cycloalkyl-(C_1-C_8)-alkylene, heterocyclyl, (C_2-C_8)-alkenyl, (C_2-C_8)-alkenyloxy, (C_2-C_8)-alkynyl, (C_2-C_8)-alkynyloxy, amino, bis[(C_1-C_8)-alkyl]amino, aryl-(C_1-C_8)-alkylene, heteroaryl-(C_1-C_8)-alkylene, heterocyclyl-(C_1-C_8)-alkylene, (C_1-C_8)-cyanoalkyl, C(O)R^{12}, C(O)OR^{12}, C(O)N$R^{10}R^{11}$, SO_2R^{13}, R^{12}O(O)C-(C_1-C_8)-alkylene, arylcarbonyl-(C_1-C_8)-alkylene, (C_1-C_8)-alkylcarbonyl-(C_1-C_8)-alkylene, heteroarylcarbonyl-(C_1-C_8)-alkylene, heterocyclylcarbonyl-(C_1-C_8)-alkylene, (C_1-C_7)-alkylcarbonyloxy-(C_1-C_8)-alkylene,

R^2 and R^9 independently of one another represent hydrogen, hydroxy, halogen, (C_1-C_8)-alkyl, (C_1-C_8)-haloalkyl, (C_3-C_{10})-cycloalkyl, aryl, heteroaryl, heterocyclyl, aryl-(C_1-C_8)-alkyl, heteroaryl-(C_1-C_8)-alkyl, heterocyclyl-(C_1-C_8)-alkyl, (C_2-C_8)-alkenyl, (C_2-C_8)-alkynyl, arylcarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkylcarbonyl-(C_1-C_8)-alkyl, heteroarylcarbonyl-(C_1-C_8)-alkyl, (C_3-C_{10})-cycloalkylcarbonyl-(C_1-C_8)-alkyl, aryl-(C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, arylcarbonyloxy-(C_1-C_8)-alkyl, heteroarylcarbonyloxy-(C_1-C_8)-alkyl, heterocyclylcarbonyloxy-(C_1-C_8)-alkyl, (C_1-C_8)-alkylcarbonyloxy-(C_1-C_8)-alkyl, (C_3-C_8)-cycloalkylcarbonyloxy-(C_1-C_8)-alkyl, (C_1-C_8)-haloalkoxy-(C_1-C_8)-alkyl, aryl-(C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, heteroaryl-(C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, C(O)R^{12}, C(O)OR^{12}, C(O)N$R^{10}R^{11}$, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, N$R^{10}R^{11}$, $R^{10}R^{11}$N-(C_1-C_8)-alkyl, cyano-(C_1-C_8)-alkyl, hydroxycarbonyl-(C_1-C_8)-alkyl, hydroxycarbonyl, aminocarbonyl, aminocarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkylaminocarbonyl-(C_1-C_8)-alkyl, (C_3-C_8)-cycloalkylaminocarbonyl-(C_1-C_8)-alkyl, (C_2-C_8)-alkenyloxycarbonyl-(C_1-C_8)-alkyl, (C_3-C_8)-cycloalkyl-(C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, cyano, hydroxy-(C_1-C_8)-alkyl, or

R^1 and R^2 together with the nitrogen atom or carbon atom to which they are respectively attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, or

R^2 and R^9 together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

R^3 represents hydroxy, hydrothio, halogen, $NR^{10}R^{11}$, (C_1-C_8)-alkoxy, (C_3-C_{10})-cycloalkyl-(C_1-C_8)-alkoxy, aryl-(C_1-C_8)-alkoxy, (C_1-C_8)-alkoxy-(C_1-C_8)-alkoxy, arylcarbonyloxy, (C_1-C_8)-alkylcarbonyloxy, (C_1-C_8)-alkoxy-(C_1-C_8)-alkylcarbonyloxy, aryl-(C_1-C_8)-alkylcarbonyloxy, heteroarylcarbonyloxy, (C_3-C_{10})-cycloalkylcarbonyloxy, heterocyclylcarbonyloxy, (C_1-C_8)-haloalkylcarbonyloxy, (C_2-C_8)-alkenylcarbonyloxy, $OC(O)OR^{12}$, $OC(O)SR^{13}$, $OC(S)OR^{12}$, $OC(S)SR^{13}$, OSO_2R^{13}, OSO_2OR^{12}, OCHO,

R^4 and R^7 independently of one another represent hydrogen, hydrothio, hydroxy, halogen, (C_1-C_8)-alkyl, (C_1-C_8)-haloalkyl, (C_3-C_{10})-cycloalkyl, (C_3-C_{10})-cycloalkyl-(C_1-C_8)-alkyl, aryl, heteroaryl, heterocyclyl, aryl-(C_1-C_8)-alkyl, heteroaryl-(C_1-C_8)-alkyl, heterocyclyl-(C_1-C_8)-alkyl, (C_2-C_8)-alkenyl, (C_2-C_8)-alkynyl, (C_2-C_8)-haloalkenyl, (C_2-C_8)-haloalkynyl, (C_3-C_{10})-halocycloalkyl, (C_4-C_{10})-cycloalkenyl, (C_4-C_{10})-halocycloalkenyl, aryl-(C_2-C_8)-alkenyl, heteroaryl-(C_2-C_8)-alkenyl, heterocyclyl-(C_2-C_8)-alkenyl, aryl-(C_2-C_8)-alkynyl, heteroaryl-(C_2-C_8)-alkynyl, heterocyclyl-(C_2-C_8)-alkynyl, (C_3-C_{10})-cycloalkyl-(C_2-C_8)-alkynyl, arylcarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkylcarbonyl-(C_1-C_8)-alkyl, heteroarylcarbonyl-(C_1-C_8)-alkyl, (C_3-C_{10})-cycloalkylcarbonyl-(C_1-C_8)-alkyl, aryl-(C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, arylcarbonyloxy-(C_1-C_8)-alkyl, heteroarylcarbonyloxy-(C_1-C_8)-alkyl, heterocyclylcarbonyloxy-(C_1-C_8)-alkyl, (C_1-C_8)-alkylcarbonyloxy-(C_1-C_8)-alkyl, (C_3-C_8)-cycloalkylcarbonyloxy-(C_1-C_8)-alkyl, (C_1-C_8)-haloalkoxy-(C_1-C_8)-alkyl, aryl-(C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, heteroaryl-(C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, CHO, $C(O)R^{12}$, $C(O)OR^{12}$, $C(O)NR^{10}R^{11}$, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, $NR^{10}R^{11}$, $R^{10}R^{11}N$-(C_1-C_8)-alkyl, cyano-(C_1-C_8)-alkyl, hydroxycarbonyl-(C_1-C_8)-alkyl, hydroxycarbonyl, (C_1-C_8)-haloalkoxy-(C_1-C_8)-alkylthio, (C_1-C_8)-alkylthio-(C_1-C_8)-alkylene, (C_1-C_8)-haloalkylthio-(C_1-C_8)-alkylthio, (C_1-C_8)-alkylthio-(C_1-C_8)-alkylthio, aminocarbonyl, aminocarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkylaminocarbonyl-(C_1-C_8)-alkyl, (C_3-C_8)-cycloalkylaminocarbonyl-(C_1-C_8)-alkyl, (C_2-

C_8)-alkenyloxycarbonyl-(C_1-C_8)-alkyl, (C_3-C_8)-cycloalkyl-(C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, cyano, hydroxy-(C_1-C_8)-alkyl, (C_2-C_8)-alkenyloxy-(C_1-C_8)-alkyl, or

R^4 and R^7 together with the carbon atom to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, when Q represents Q-3, Q-4, Q-8, Q-9, Q-12 and Q-19,

R^5 represents hydrogen, formyl, (C_1-C_8)-alkyl, (C_1-C_8)-haloalkyl, hydroxy-(C_1-C_8)-alkyl, hydroxycarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, (C_3-C_{10})-cycloalkyl, (C_3-C_{10})-halocycloalkyl, aryl, heteroaryl, (C_3-C_{10})-cycloalkyl-(C_1-C_8)-alkyl, heterocyclyl, (C_2-C_8)-alkenyl, (C_2-C_8)-alkynyl, $NR^{10}R^{11}$, aryl-(C_1-C_8)-alkyl, heteroaryl-(C_1-C_8)-alkyl, heterocyclyl-(C_1-C_8)-alkyl, (C_1-C_8)-cyanoalkyl, $C(O)R^{12}$, $C(O)OR^{12}$, $C(O)NR^{10}R^{11}$, SO_2R^{13}, (C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, (C_2-C_8)-alkenyloxycarbonyl-(C_1-C_8)-alkyl, aryl-(C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, heteroaryl-(C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, aryloxycarbonyl-(C_1-C_8)-alkyl, arylcarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkylcarbonyl-(C_1-C_8)-alkyl, heteroarylcarbonyl-(C_1-C_8)-alkyl, heterocyclylcarbonyl-(C_1-C_8)-alkyl, or

R^4 and R^5 together with the nitrogen atom or carbon atom to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, when Q represents Q-13, Q-14, Q-15, Q-25 and Q-26,

R^6 represents hydrogen or (C_1-C_8)-alkyl,

R^8 represents hydrogen, halogen, cyano, nitro, hydrothio, hydroxy, $NR^{10}R^{11}$, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, thiocyanato, isothiocyanato, formyl, (C_1-C_8)-alkyl, (C_2-C_8)-alkenyl, (C_2-C_8)-alkynyl, (C_1-C_{10})-haloalkyl, (C_2-C_8)-haloalkenyl, (C_2-C_8)-haloalkynyl, (C_3-C_{10})-cycloalkyl, (C_3-C_{10})-halocycloalkyl, (C_4-C_{10})-cycloalkenyl, (C_4-C_{10})-halocycloalkenyl, pentafluorothio, (C_1-C_8)-alkoxy-(C_1-C_8)-haloalkyl, (C_1-C_8)-haloalkoxy-(C_1-C_8)-haloalkyl, (C_1-C_8)-haloalkoxy-(C_1-C_8)-alkyl, aryl, aryl-(C_1-C_8)-alkyl, heteroaryl, heteroaryl-(C_1-C_8)-alkyl, (C_3-C_8)-cycloalkyl-(C_1-C_8)-alkyl, (C_4-C_{10})-cycloalkenyl-(C_1-C_8)-alkyl, heterocyclyl, heterocyclyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, (C_1-C_8)-alkylthio-(C_1-C_8)-alkyl, (C_1-C_8)-haloalkylthio-(C_1-C_8)-alkyl, (C_1-C_8)-alkylcarbonyl-(C_1-C_8)-alkyl, $C(O)OR^{12}$, $C(O)NR^{10}R^{11}$, $C(O)R^{12}$, -C=NOR^{12}, -C=NOH, $R^{10}R^{11}N$-(C_1-C_8)-alkyl, $R^{12}O(O)C$-(C_1-C_8)-alkyl, hydroxycarbonyl, hydroxycarbonyl-(C_1-C_8)-alkyl, aryl-(C_1-C_8)-alkynyl, heteroaryl-(C_1-C_8)-alkynyl, heterocyclyl-(C_1-C_8)-alkynyl, tris[(C_1-C_8)-alkyl]silyl-(C_2-C_8)-alkynyl, bis[(C_1-C_8)-alkyl](aryl)silyl-(C_2-C_8)-alkynyl, bisaryl[(C_1-C_8)-

alkyl]silyl-(C_2-C_8)-alkynyl, (C_3-C_8)-cycloalkyl-(C_2-C_8)-alkynyl, aryl-(C_2-C_8)-alkenyl, heteroaryl-(C_2-C_8)-alkenyl, heterocyclyl-(C_2-C_8)-alkenyl, (C_3-C_8)-cycloalkyl-(C_2-C_8)-alkenyl, (C_1-C_8)-alkoxy-(C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, (C_1-C_8)-alkylaminosulfonylamino, (C_3-C_8)-cycloalkylaminosulfonylamino, diazo, aryldiazo, tris[(C_1-C_8)-alkyl]silyl, bis[(C_1-C_8)-alkyl](aryl)silyl, bisaryl[(C_1-C_8)-alkyl]silyl,

R^{10} and R^{11} are the same or different and independently of one another represent hydrogen, (C_1-C_8)-alkyl, (C_2-C_8)-alkenyl, (C_2-C_8)-alkynyl, (C_1-C_8)-cyanoalkyl, (C_1-C_{10})-haloalkyl, (C_2-C_8)-haloalkenyl, (C_2-C_8)-haloalkynyl, (C_3-C_{10})-cycloalkyl, (C_3-C_{10})-halocycloalkyl, (C_4-C_{10})-cycloalkenyl, (C_4-C_{10})-halocycloalkenyl, (C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, (C_1-C_8)-haloalkoxy-(C_1-C_8)-alkyl, (C_1-C_8)-alkylthio-(C_1-C_8)-alkyl, (C_1-C_8)-haloalkylthio-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxy-(C_1-C_8)-haloalkyl, aryl, aryl-(C_1-C_8)-alkyl, heteroaryl, heteroaryl-(C_1-C_8)-alkyl, (C_3-C_{10})-cycloalkyl-(C_1-C_8)-alkyl, (C_4-C_{10})-cycloalkenyl-(C_1-C_8)-alkyl, COR^{12}, SO_2R^{13}, (C_1-C_8)-alkyl-HNO_2S-, (C_3-C_{10})-cycloalkyl-HNO_2S-, heterocyclyl, (C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxycarbonyl, aryl-(C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, aryl-(C_1-C_8)-alkoxycarbonyl, heteroaryl-(C_1-C_8)-alkoxycarbonyl, (C_2-C_8)-alkenyloxycarbonyl, (C_2-C_8)-alkynyloxycarbonyl, heterocyclyl-(C_1-C_8)-alkyl,

R^{12} represents (C_1-C_8)-alkyl, (C_2-C_8)-alkenyl, (C_2-C_8)-alkynyl, (C_1-C_8)-cyanoalkyl, (C_1-C_{10})-haloalkyl, (C_2-C_8)-haloalkenyl, (C_2-C_8)-haloalkynyl, (C_3-C_{10})-cycloalkyl, (C_3-C_{10})-halocycloalkyl, (C_4-C_{10})-cycloalkenyl, (C_4-C_{10})-halocycloalkenyl, (C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxy-(C_1-C_8)-haloalkyl, aryl, aryl-(C_1-C_8)-alkyl, heteroaryl, heteroaryl-(C_1-C_8)-alkyl, (C_3-C_{10})-cycloalkyl-(C_1-C_8)-alkyl, (C_4-C_{10})-cycloalkenyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, (C_2-C_8)-alkenyloxycarbonyl-(C_1-C_8)-alkyl, aryl-(C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, hydroxycarbonyl-(C_1-C_8)-alkyl, heterocyclyl, heterocyclyl-(C_1-C_8)-alkyl,

R^{13} represents (C_1-C_8)-alkyl, (C_2-C_8)-alkenyl, (C_2-C_8)-alkynyl, (C_1-C_8)-cyanoalkyl, (C_1-C_{10})-haloalkyl, (C_2-C_8)-haloalkenyl, (C_2-C_8)-haloalkynyl, (C_3-C_{10})-cycloalkyl, (C_3-C_{10})-halocycloalkyl, (C_4-C_{10})-cycloalkenyl, (C_4-C_{10})-halocycloalkenyl, (C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxy-(C_1-C_8)-haloalkyl, aryl, aryl-(C_1-C_8)-alkyl, heteroaryl, heteroaryl-(C_1-C_8)-alkyl, heterocyclyl-(C_1-C_8)-alkyl, (C_3-C_{10})-cycloalkyl-(C_1-C_8)-alkyl, (C_4-C_{10})-cycloalkenyl-(C_1-C_8)-alkyl, $NR^{10}R^{11}$,

R^{14} and R^{15} independently of one another represent hydrogen, (C_1-C_8)-alkyl, halogen, or

R^{9} and R^{15} together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

and

W represents oxygen.

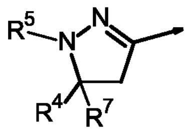
The compounds of the general formula (I) can form salts by addition of a suitable inorganic or organic acid, for example mineral acids, for example HCl, HBr, H_2SO_4, H_3PO_4 or HNO_3, or organic acids, for example carboxylic acids such as formic acid, acetic acid, propionic acid, oxalic acid, lactic acid or salicylic acid or sulfonic acids, for example p-toluenesulfonic acid, onto a basic group, for example amino, alkylamino, dialkylamino, piperidino, morpholino or pyridino. In such a case, these salts comprise the conjugated base of the acid as the anion. Suitable substituents in deprotonated form, for example sulfonic acids, particular sulfonamides or carboxylic acids, are capable of forming internal salts with groups, such as amino groups, which are themselves protonatable. Salts may also be formed by action of a base on compounds of the general formula (I). Suitable bases are, for example, organic amines such as trialkylamines, morpholine, piperidine and pyridine, and the hydroxides, carbonates and bicarbonates of ammonium, alkali metals or alkaline earth metals, especially sodium hydroxide, potassium hydroxide, sodium carbonate, potassium carbonate, sodium bicarbonate and potassium bicarbonate. These salts are compounds in which the acidic hydrogen is replaced by an agriculturally suitable cation, for example metal salts, especially alkali metal salts or alkaline earth metal salts, in particular sodium and potassium salts, or else ammonium salts, salts with organic amines or quaternary ammonium salts, for example with cations of the formula $[NR^aR^bR^cR^d]^+$ in which R^a to R^d are each independently an organic radical, especially alkyl, aryl, arylalkyl or alkylaryl. Also suitable are alkylsulfonium and alkylsulfoxonium salts, such as $(C_1$-$C_4)$-trialkylsulfonium and $(C_1$-$C_4)$-trialkylsulfoxonium salts.

The inventive substituted N-heterocyclyl- and N-heteroaryltetrahydropyrimidinones of the formula (I), depending on external conditions such as pH, solvent and temperature, may be in various tautomeric structures, all of which are embraced by the general formula (I).

The compounds of the formula (I) used in accordance with the invention and salts thereof are referred to hereinafter as "compounds of the general formula (I)".

The invention preferably provides compounds of the general formula (I) in which

Q represents the groups Q-1 to Q-30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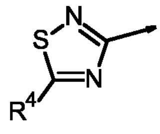
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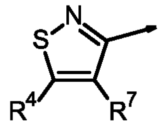
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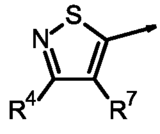
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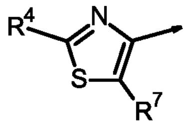
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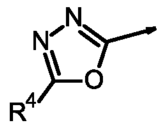
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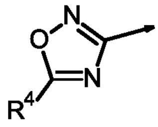
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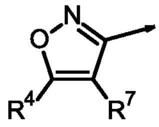
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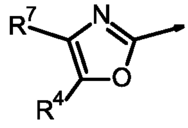
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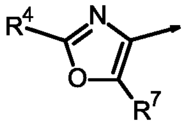
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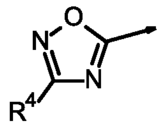
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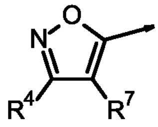
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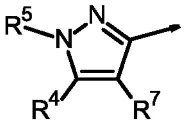
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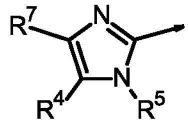
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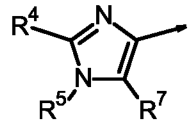
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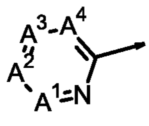
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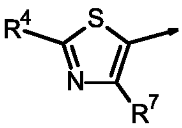
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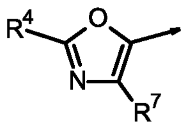
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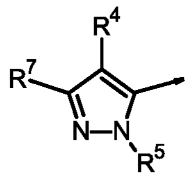
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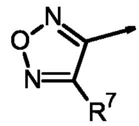
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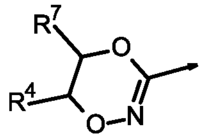
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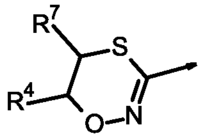
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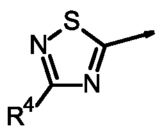
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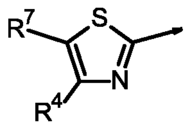
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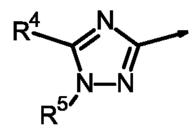
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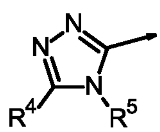
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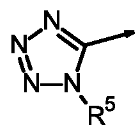
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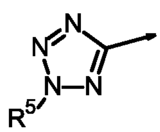
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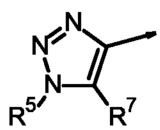
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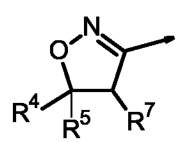

Q-30

where the arrow represents a bond of the respective Q group to the nitrogen of the tetrahydropyrimidinone in the general formula (I),

A^1, A^2, A^3, A^4 are identical or different and independently of one another represent N (nitrogen) or the moiety C-R^8, but there are never more than two adjacent nitrogen atoms, and where R^8 in the moiety C-R^8 in each case has identical or different meanings according to the definition below, or

A^1 and A^2, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution, or

A^2 and A^3, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution, or

A^3 and A^4, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution,

R^1 represents hydrogen, hydroxy, (C_1-C_7)-alkyl, (C_1-C_7)-haloalkyl, (C_1-C_7)-hydroxyalkyl, hydroxycarbonyl-(C_1-C_7)-alkylene, (C_1-C_7)-alkoxy, (C_1-C_7)-alkoxy-(C_1-C_7)-alkylene, (C_1-C_7)-alkoxyalkyloxy, (C_1-C_7)-haloalkoxy, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, aryl, heteroaryl, (C_3-C_8)-cycloalkyl-(C_1-C_7)-alkylene, heterocyclyl, (C_2-C_7)-alkenyl, (C_2-C_7)-alkenyloxy, (C_2-C_7)-alkynyl, (C_2-C_7)-alkynyloxy, amino, bis[(C_1-C_7)-alkyl]amino, aryl-(C_1-C_7)-alkylene, heteroaryl-(C_1-C_7)-alkylene, heterocyclyl-(C_1-C_7)-alkylene, (C_1-C_7)-cyanoalkyl, C(O)R^{12}, C(O)OR^{12}, C(O)N$R^{10}R^{11}$, SO_2R^{13}, R^{12}O(O)C-(C_1-C_7)-alkylene, arylcarbonyl-(C_1-C_7)-alkylene, (C_1-C_7)-alkylcarbonyl-(C_1-C_7)-alkylene, heteroarylcarbonyl-(C_1-C_7)-alkylene, heterocyclylcarbonyl-(C_1-C_7)-alkylene, (C_1-C_7)-alkylcarbonyloxy-(C_1-C_7)-alkylene,

R^2 and R^9 independently of one another represent hydrogen, hydroxy, halogen, (C_1-C_7)-alkyl, (C_1-C_7)-haloalkyl, (C_3-C_8)-cycloalkyl, aryl, heteroaryl, heterocyclyl, aryl-(C_1-C_7)-alkyl, heteroaryl-(C_1-C_7)-alkyl, heterocyclyl-(C_1-C_7)-alkyl, (C_2-C_7)-alkenyl, (C_2-C_7)-alkynyl, (C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, (C_1-C_7)-haloalkoxy-(C_1-C_7)-alkyl, aryl-(C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, heteroaryl-(C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, N$R^{10}R^{11}$, $R^{10}R^{11}$N-(C_1-C_7)-alkyl, cyano-(C_1-C_7)-alkyl, cyano, hydroxy-(C_1-C_7)-alkyl, or

R^1 and R^2 together with the nitrogen atom or carbon atom to which they are respectively attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, or

R^2 and R^9 together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

R^3 represents hydroxy, hydrothio, halogen, $NR^{10}R^{11}$, (C_1-C_7)-alkoxy, (C_3-C_8)-cycloalkyl-(C_1-C_7)-alkoxy, aryl-(C_1-C_7)-alkoxy, (C_1-C_7)-alkoxy-(C_1-C_7)-alkoxy, arylcarbonyloxy, (C_1-C_7)-alkylcarbonyloxy, (C_1-C_7)-alkoxy-(C_1-C_7)-alkylcarbonyloxy, aryl-(C_1-C_7)-alkylcarbonyloxy, heteroarylcarbonyloxy, (C_3-C_8)-cycloalkylcarbonyloxy, heterocyclylcarbonyloxy, (C_1-C_7)-haloalkylcarbonyloxy, (C_2-C_7)-alkenylcarbonyloxy, $OC(O)OR^{12}$, $OC(O)SR^{13}$, $OC(S)OR^{12}$, $OC(S)SR^{13}$, OSO_2R^{13}, OSO_2OR^{12}, OCHO,

R^4 and R^7 independently of one another represent hydrogen, hydrothio, hydroxy, halogen, (C_1-C_7)-alkyl, (C_1-C_7)-haloalkyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-cycloalkyl-(C_1-C_7)-alkyl, aryl, heteroaryl, heterocyclyl, aryl-(C_1-C_7)-alkyl, heteroaryl-(C_1-C_7)-alkyl, heterocyclyl-(C_1-C_7)-alkyl, (C_2-C_7)-alkenyl, (C_2-C_7)-alkynyl, (C_2-C_7)-haloalkenyl, (C_2-C_7)-haloalkynyl, (C_3-C_8)-halocycloalkyl, (C_4-C_8)-cycloalkenyl, (C_4-C_8)-halocycloalkenyl, aryl-(C_2-C_7)-alkenyl, heteroaryl-(C_2-C_7)-alkenyl, heterocyclyl-(C_2-C_7)-alkenyl, aryl-(C_2-C_7)-alkynyl, heteroaryl-(C_2-C_7)-alkynyl, heterocyclyl-(C_2-C_7)-alkynyl, (C_3-C_8)-cycloalkyl-(C_2-C_7)-alkynyl, arylcarbonyl-(C_1-C_7)-alkyl, (C_1-C_7)-alkylcarbonyl-(C_1-C_7)-alkyl, heteroarylcarbonyl-(C_1-C_7)-alkyl, (C_3-C_8)-cycloalkylcarbonyl-(C_1-C_7)-alkyl, aryl-(C_1-C_7)-alkoxycarbonyl-(C_1-C_7)-alkyl, (C_1-C_7)-alkoxycarbonyl-(C_1-C_7)-alkyl, (C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, arylcarbonyloxy-(C_1-C_7)-alkyl, heteroarylcarbonyloxy-(C_1-C_7)-alkyl, heterocyclylcarbonyloxy-(C_1-C_7)-alkyl, (C_1-C_7)-alkylcarbonyloxy-(C_1-C_7)-alkyl, (C_3-C_7)-cycloalkylcarbonyloxy-(C_1-C_7)-alkyl, (C_1-C_7)-haloalkoxy-(C_1-C_7)-alkyl, aryl-(C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, heteroaryl-(C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, CHO, $C(O)R^{12}$, $C(O)OR^{12}$, $C(O)NR^{10}R^{11}$, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, $NR^{10}R^{11}$, $R^{10}R^{11}N$-(C_1-C_7)-alkyl, cyano-(C_1-C_7)-alkyl, hydroxycarbonyl-(C_1-C_7)-alkyl, hydroxycarbonyl, (C_1-C_7)-haloalkoxy-(C_1-C_7)-alkylthio, (C_1-C_7)-alkylthio-(C_1-C_7)-alkylene, (C_1-C_7)-haloalkylthio-(C_1-C_7)-alkylthio, (C_1-C_7)-alkylthio-(C_1-C_7)-alkylthio, aminocarbonyl, aminocarbonyl-(C_1-C_7)-alkyl, (C_1-C_7)-alkylaminocarbonyl-(C_1-C_7)-alkyl, (C_3-C_7)-cycloalkylaminocarbonyl-(C_1-C_7)-alkyl, (C_2-C_7)-alkenyloxycarbonyl-(C_1-C_7)-alkyl, (C_3-C_7)-cycloalkyl-(C_1-C_7)-alkoxycarbonyl-(C_1-C_7)-alkyl, cyano, hydroxy-(C_1-C_7)-alkyl, (C_2-C_7)-alkenyloxy-(C_1-C_7)-alkyl, or

R^4 and R^7 together with the carbon atom to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, when Q represents Q-3, Q-4, Q-8, Q-9, Q-12, Q-13, Q-19 and Q-30,

R^5 represents hydrogen, formyl, (C_1-C_7)-alkyl, (C_1-C_7)-haloalkyl, hydroxy-(C_1-C_7)-alkyl, hydroxycarbonyl-(C_1-C_7)-alkyl, (C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, aryl, heteroaryl, (C_3-C_8)-cycloalkyl-(C_1-C_7)-alkyl, heterocyclyl, (C_2-C_7)-alkenyl, (C_2-C_7)-alkynyl, $NR^{10}R^{11}$, aryl-(C_1-C_7)-alkyl, heteroaryl-(C_1-C_7)-alkyl, heterocyclyl-(C_1-C_7)-alkyl, (C_1-C_7)-cyanoalkyl, $C(O)R^{12}$, $C(O)OR^{12}$, $C(O)NR^{10}R^{11}$, SO_2R^{13}, (C_1-C_7)-alkoxycarbonyl-(C_1-C_7)-alkyl, (C_2-C_7)-alkenyloxycarbonyl-(C_1-C_7)-alkyl, aryl-(C_1-C_7)-alkoxycarbonyl-(C_1-C_7)-alkyl, heteroaryl-(C_1-C_7)-alkoxycarbonyl-(C_1-C_7)-alkyl, aryloxycarbonyl-(C_1-C_7)-alkyl, arylcarbonyl-(C_1-C_7)-alkyl, (C_1-C_7)-alkylcarbonyl-(C_1-C_7)-alkyl, heteroarylcarbonyl-(C_1-C_7)-alkyl, heterocyclylcarbonyl-(C_1-C_7)-alkyl, or

R^4 and R^5 together with the nitrogen atom or carbon atom to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, when Q represents Q-13, Q-14, Q-15, Q-25 and Q-26,

R^6 represents hydrogen or (C_1-C_7)-alkyl,

R^8 represents hydrogen, halogen, cyano, nitro, hydrothio, hydroxy, $NR^{10}R^{11}$, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, thiocyanato, isothiocyanato, formyl, (C_1-C_7)-alkyl, (C_2-C_7)-alkenyl, (C_2-C_7)-alkynyl, (C_1-C_8)-haloalkyl, (C_2-C_7)-haloalkenyl, (C_2-C_7)-haloalkynyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, (C_4-C_8)-cycloalkenyl, (C_4-C_8)-halocycloalkenyl, pentafluorothio, (C_1-C_7)-alkoxy-(C_1-C_7)-haloalkyl, (C_1-C_7)-haloalkoxy-(C_1-C_7)-haloalkyl, (C_1-C_7)-haloalkoxy-(C_1-C_7)-alkyl, aryl, aryl-(C_1-C_7)-alkyl, heteroaryl, heteroaryl-(C_1-C_7)-alkyl, (C_3-C_7)-cycloalkyl-(C_1-C_7)-alkyl, (C_4-C_8)-cycloalkenyl-(C_1-C_7)-alkyl, heterocyclyl, heterocyclyl-(C_1-C_7)-alkyl, (C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, (C_1-C_7)-alkylthio-(C_1-C_7)-alkyl, (C_1-C_7)-haloalkylthio-(C_1-C_7)-alkyl, (C_1-C_7)-alkylcarbonyl-(C_1-C_7)-alkyl, $C(O)OR^{12}$, $C(O)NR^{10}R^{11}$, $C(O)R^{12}$, $-C=NOR^{12}$, -C=NOH, $R^{10}R^{11}N$-(C_1-C_7)-alkyl, $R^{12}O(O)C$-(C_1-C_7)-alkyl, hydroxycarbonyl, hydroxycarbonyl-(C_1-C_7)-alkyl, aryl-(C_1-C_7)-alkynyl, heteroaryl-(C_1-C_7)-alkynyl, heterocyclyl-(C_1-C_7)-alkynyl, tris[(C_1-C_7)-alkyl]silyl-(C_2-C_7)-alkynyl, bis[(C_1-C_7)-alkyl](aryl)silyl-(C_2-C_7)-alkynyl, bisaryl[(C_1-C_7)-alkyl]silyl-(C_2-C_7)-alkynyl, (C_3-C_7)-cycloalkyl-(C_2-C_7)-alkynyl, aryl-(C_2-C_7)-alkenyl, heteroaryl-(C_2-C_7)-alkenyl, heterocyclyl-(C_2-C_7)-alkenyl, (C_3-C_7)-cycloalkyl-(C_2-C_7)-alkenyl, (C_1-C_7)-alkoxy-(C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, (C_1-C_7)-alkylaminosulfonylamino, (C_3-C_7)-cycloalkylaminosulfonylamino, diazo, aryldiazo, tris[(C_1-C_7)-alkyl]silyl, bis[(C_1-C_7)-alkyl](aryl)silyl, bisaryl[(C_1-C_7)-alkyl]silyl,

R^{10} and R^{11} are the same or different and independently of one another represent hydrogen, (C_1-C_7)-alkyl, (C_2-C_7)-alkenyl, (C_2-C_7)-alkynyl, (C_1-C_7)-cyanoalkyl, (C_1-C_8)-haloalkyl, (C_2-C_7)-

haloalkenyl, $(C_2\text{-}C_7)$-haloalkynyl, $(C_3\text{-}C_8)$-cycloalkyl, $(C_3\text{-}C_8)$-halocycloalkyl, $(C_4\text{-}C_8)$-cycloalkenyl, $(C_4\text{-}C_8)$-halocycloalkenyl, $(C_1\text{-}C_7)$-alkoxy-$(C_1\text{-}C_7)$-alkyl, $(C_1\text{-}C_7)$-haloalkoxy-$(C_1\text{-}C_7)$-alkyl, $(C_1\text{-}C_7)$-alkylthio-$(C_1\text{-}C_7)$-alkyl, $(C_1\text{-}C_7)$-haloalkylthio-$(C_1\text{-}C_7)$-alkyl, $(C_1\text{-}C_7)$-alkoxy-$(C_1\text{-}C_7)$-haloalkyl, aryl, aryl-$(C_1\text{-}C_7)$-alkyl, heteroaryl, heteroaryl-$(C_1\text{-}C_7)$-alkyl, $(C_3\text{-}C_8)$-cycloalkyl-$(C_1\text{-}C_7)$-alkyl, $(C_4\text{-}C_8)$-cycloalkenyl-$(C_1\text{-}C_7)$-alkyl, COR^{12}, SO_2R^{13}, $(C_1\text{-}C_7)$-alkyl-HNO_2S-, $(C_3\text{-}C_8)$-cycloalkyl-HNO_2S-, heterocyclyl, $(C_1\text{-}C_7)$-alkoxycarbonyl-$(C_1\text{-}C_7)$-alkyl, $(C_1\text{-}C_7)$-alkoxycarbonyl, aryl-$(C_1\text{-}C_7)$-alkoxycarbonyl-$(C_1\text{-}C_7)$-alkyl, aryl-$(C_1\text{-}C_7)$-alkoxycarbonyl, heteroaryl-$(C_1\text{-}C_7)$-alkoxycarbonyl, $(C_2\text{-}C_7)$-alkenyloxycarbonyl, $(C_2\text{-}C_7)$-alkynyloxycarbonyl, heterocyclyl-$(C_1\text{-}C_7)$-alkyl,

R^{12} represents $(C_1\text{-}C_7)$-alkyl, $(C_2\text{-}C_7)$-alkenyl, $(C_2\text{-}C_7)$-alkynyl, $(C_1\text{-}C_7)$-cyanoalkyl, $(C_1\text{-}C_8)$-haloalkyl, $(C_2\text{-}C_7)$-haloalkenyl, $(C_2\text{-}C_7)$-haloalkynyl, $(C_3\text{-}C_8)$-cycloalkyl, $(C_3\text{-}C_8)$-halocycloalkyl, $(C_4\text{-}C_8)$-cycloalkenyl, $(C_4\text{-}C_8)$-halocycloalkenyl, $(C_1\text{-}C_7)$-alkoxy-$(C_1\text{-}C_7)$-alkyl, $(C_1\text{-}C_7)$-alkoxy-$(C_1\text{-}C_7)$-haloalkyl, aryl, aryl-$(C_1\text{-}C_7)$-alkyl, heteroaryl, heteroaryl-$(C_1\text{-}C_7)$-alkyl, $(C_3\text{-}C_8)$-cycloalkyl-$(C_1\text{-}C_7)$-alkyl, $(C_4\text{-}C_8)$-cycloalkenyl-$(C_1\text{-}C_7)$-alkyl, $(C_1\text{-}C_7)$-alkoxycarbonyl-$(C_1\text{-}C_7)$-alkyl, $(C_2\text{-}C_7)$-alkenyloxycarbonyl-$(C_1\text{-}C_7)$-alkyl, aryl-$(C_1\text{-}C_7)$-alkoxycarbonyl-$(C_1\text{-}C_7)$-alkyl, hydroxycarbonyl-$(C_1\text{-}C_7)$-alkyl, heterocyclyl, heterocyclyl-$(C_1\text{-}C_7)$-alkyl,

R^{13} represents $(C_1\text{-}C_7)$-alkyl, $(C_2\text{-}C_7)$-alkenyl, $(C_2\text{-}C_7)$-alkynyl, $(C_1\text{-}C_7)$-cyanoalkyl, $(C_1\text{-}C_8)$-haloalkyl, $(C_2\text{-}C_7)$-haloalkenyl, $(C_2\text{-}C_7)$-haloalkynyl, $(C_3\text{-}C_8)$-cycloalkyl, $(C_3\text{-}C_8)$-halocycloalkyl, $(C_4\text{-}C_8)$-cycloalkenyl, $(C_4\text{-}C_8)$-halocycloalkenyl, $(C_1\text{-}C_7)$-alkoxy-$(C_1\text{-}C_7)$-alkyl, $(C_1\text{-}C_7)$-alkoxy-$(C_1\text{-}C_7)$-haloalkyl, aryl, aryl-$(C_1\text{-}C_7)$-alkyl, heteroaryl, heteroaryl-$(C_1\text{-}C_7)$-alkyl, heterocyclyl-$(C_1\text{-}C_7)$-alkyl, $(C_3\text{-}C_8)$-cycloalkyl-$(C_1\text{-}C_7)$-alkyl, $(C_4\text{-}C_8)$-cycloalkenyl-$(C_1\text{-}C_7)$-alkyl, $NR^{10}R^{11}$,

R^{14} and R^{15} independently of one another represent hydrogen, $(C_1\text{-}C_7)$-alkyl, halogen, or

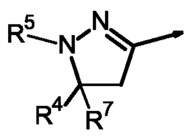
R^9 and R^{15} together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

and

W represents oxygen.

The invention more preferably provides compounds of the general formula (I) in which

Q represents the groups Q-1 to Q-30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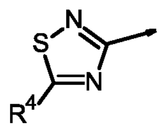
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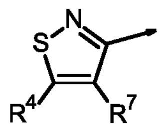
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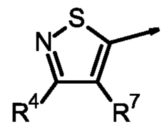
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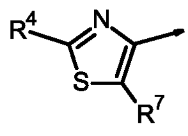
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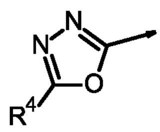
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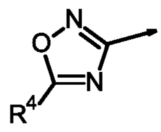
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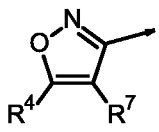
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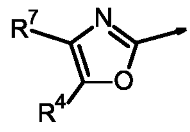
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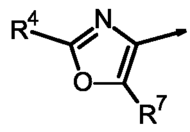
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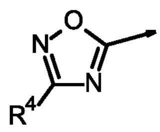
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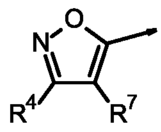
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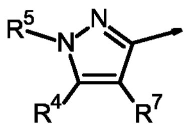
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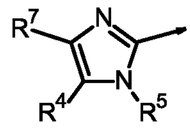
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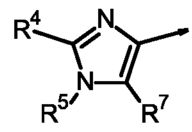
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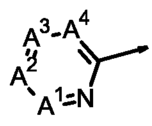
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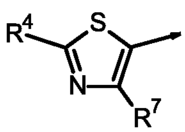
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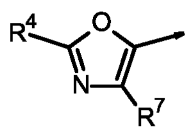
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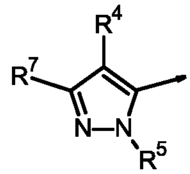
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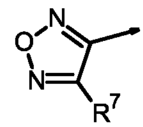
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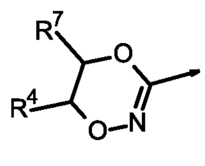
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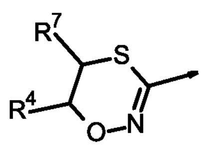
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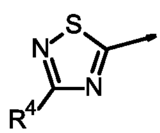
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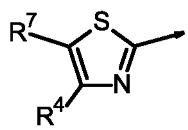
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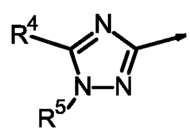
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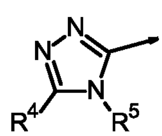
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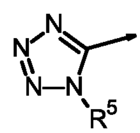
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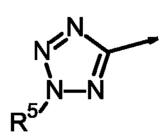
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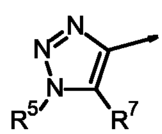
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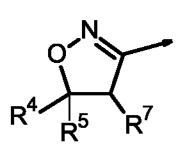

Q-30

where the arrow represents a bond of the respective Q group to the nitrogen of the tetrahydropyrimidinone in the general formula (I),

A^1, A^2, A^3, A^4 are identical or different and independently of one another represent N (nitrogen) or the moiety C-R^8, but there are never more than two adjacent nitrogen atoms, and where R^8 in the moiety C-R^8 in each case has identical or different meanings according to the definition below, or

A^1 and A^2, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution, or

A^2 and A^3, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution, or

A^3 and A^4, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution,

R^1 represents hydrogen, hydroxy, (C_1-C_6)-alkyl, (C_1-C_6)-haloalkyl, (C_1-C_6)-hydroxyalkyl, hydroxycarbonyl-(C_1-C_6)-alkylene, (C_1-C_6)-alkoxy, (C_1-C_6)-alkoxy-(C_1-C_6)-alkylene, (C_1-C_6)-alkoxyalkyloxy, (C_1-C_6)-haloalkoxy, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, aryl, heteroaryl, (C_3-C_8)-cycloalkyl-(C_1-C_6)-alkylene, heterocyclyl, (C_2-C_6)-alkenyl, (C_2-C_6)-alkenyloxy, (C_2-C_6)-alkynyl, (C_2-C_6)-alkynyloxy, amino, bis[(C_1-C_6)-alkyl]amino, aryl-(C_1-C_6)-alkylene, heteroaryl-(C_1-C_6)-alkylene, heterocyclyl-(C_1-C_6)-alkylene, (C_1-C_6)-cyanoalkyl, C(O)R^{12}, C(O)OR^{12}, C(O)N$R^{10}R^{11}$, SO_2R^{13}, R^{12}O(O)C-(C_1-C_6)-alkylene, arylcarbonyl-(C_1-C_6)-alkylene, (C_1-C_6)-alkylcarbonyl-(C_1-C_6)-alkylene, heteroarylcarbonyl-(C_1-C_6)-alkylene, heterocyclylcarbonyl-(C_1-C_6)-alkylene, (C_1-C_6)-alkylcarbonyloxy-(C_1-C_6)-alkylene,

R^2 and R^9 independently of one another represent hydrogen, hydroxy, fluorine, (C_1-C_6)-alkyl, (C_1-C_6)-haloalkyl, (C_3-C_8)-cycloalkyl, aryl, heteroaryl, heterocyclyl, aryl-(C_1-C_6)-alkyl, heteroaryl-(C_1-C_6)-alkyl, heterocyclyl-(C_1-C_6)-alkyl, (C_2-C_6)-alkenyl, (C_2-C_6)-alkynyl, (C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, (C_1-C_6)-haloalkoxy-(C_1-C_6)-alkyl, aryl-(C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, heteroaryl-(C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, N$R^{10}R^{11}$, $R^{10}R^{11}$N-(C_1-C_6)-alkyl, cyano-(C_1-C_6)-alkyl, cyano, hydroxy-(C_1-C_6)-alkyl, or

R^1 and R^2 together with the nitrogen atom or carbon atom to which they are respectively attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, or

R^2 and R^9 together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

R^3 represents hydroxy, hydrothio, halogen, $NR^{10}R^{11}$, (C_1-C_6)-alkoxy, (C_3-C_8)-cycloalkyl-(C_1-C_6)-alkoxy, aryl-(C_1-C_6)-alkoxy, (C_1-C_6)-alkoxy-(C_1-C_6)-alkoxy, arylcarbonyloxy, (C_1-C_6)-alkylcarbonyloxy, (C_1-C_6)-alkoxy-(C_1-C_6)-alkylcarbonyloxy, aryl-(C_1-C_6)-alkylcarbonyloxy, heteroarylcarbonyloxy, (C_3-C_8)-cycloalkylcarbonyloxy, heterocyclylcarbonyloxy, (C_1-C_6)-haloalkylcarbonyloxy, (C_2-C_6)-alkenylcarbonyloxy, $OC(O)OR^{12}$, $OC(O)SR^{13}$, $OC(S)OR^{12}$, $OC(S)SR^{13}$, OSO_2R^{13}, OCHO,

R^4 and R^7 independently of one another represent hydrogen, hydrothio, hydroxy, halogen, (C_1-C_6)-alkyl, (C_1-C_6)-haloalkyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-cycloalkyl-(C_1-C_6)-alkyl, aryl, heteroaryl, heterocyclyl, aryl-(C_1-C_6)-alkyl, heteroaryl-(C_1-C_6)-alkyl, heterocyclyl-(C_1-C_6)-alkyl, (C_2-C_6)-alkenyl, (C_2-C_6)-alkynyl, (C_2-C_6)-haloalkenyl, (C_2-C_6)-haloalkynyl, (C_3-C_8)-halocycloalkyl, (C_4-C_8)-cycloalkenyl, (C_4-C_8)-halocycloalkenyl, aryl-(C_2-C_6)-alkenyl, heteroaryl-(C_2-C_6)-alkenyl, heterocyclyl-(C_2-C_6)-alkenyl, aryl-(C_2-C_6)-alkynyl, heteroaryl-(C_2-C_6)-alkynyl, heterocyclyl-(C_2-C_6)-alkynyl, (C_3-C_8)-cycloalkyl-(C_2-C_6)-alkynyl, arylcarbonyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkylcarbonyl-(C_1-C_6)-alkyl, heteroarylcarbonyl-(C_1-C_6)-alkyl, (C_3-C_8)-cycloalkylcarbonyl-(C_1-C_6)-alkyl, aryl-(C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, arylcarbonyloxy-(C_1-C_6)-alkyl, heteroarylcarbonyloxy-(C_1-C_6)-alkyl, heterocyclylcarbonyloxy-(C_1-C_6)-alkyl, (C_1-C_6)-alkylcarbonyloxy-(C_1-C_6)-alkyl, (C_3-C_6)-cycloalkylcarbonyloxy-(C_1-C_6)-alkyl, (C_1-C_6)-haloalkoxy-(C_1-C_6)-alkyl, aryl-(C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, heteroaryl-(C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, CHO, $C(O)R^{12}$, $C(O)OR^{12}$, $C(O)NR^{10}R^{11}$, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, $NR^{10}R^{11}$, $R^{10}R^{11}N$-(C_1-C_6)-alkyl, cyano-(C_1-C_6)-alkyl, hydroxycarbonyl-(C_1-C_6)-alkyl, hydroxycarbonyl, (C_1-C_6)-haloalkoxy-(C_1-C_6)-alkylthio, (C_1-C_6)-alkylthio-(C_1-C_6)-alkylene, (C_1-C_6)-haloalkylthio-(C_1-C_6)-alkylthio, (C_1-C_6)-alkylthio-(C_1-C_6)-alkylthio, aminocarbonyl, aminocarbonyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkylaminocarbonyl-(C_1-C_6)-alkyl, (C_3-C_6)-cycloalkylaminocarbonyl-(C_1-C_6)-alkyl, (C_2-C_6)-alkenyloxycarbonyl-(C_1-C_6)-alkyl, (C_3-C_6)-cycloalkyl-(C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, cyano, hydroxy-(C_1-C_6)-alkyl, (C_2-C_6)-alkenyloxy-(C_1-C_6)-alkyl, or

R^4 and R^7 together with the carbon atom to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, when Q represents Q-3, Q-4, Q-8, Q-9, Q-12, Q-13, Q-19 and Q-30,

R^5 represents hydrogen, formyl, (C_1-C_6)-alkyl, (C_1-C_6)-haloalkyl, hydroxy-(C_1-C_6)-alkyl, hydroxycarbonyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, aryl, heteroaryl, (C_3-C_8)-cycloalkyl-(C_1-C_6)-alkyl, heterocyclyl, (C_2-C_6)-alkenyl, (C_2-C_6)-alkynyl, $NR^{10}R^{11}$, aryl-(C_1-C_6)-alkyl, heteroaryl-(C_1-C_6)-alkyl, heterocyclyl-(C_1-C_6)-alkyl, (C_1-C_6)-cyanoalkyl, $C(O)R^{12}$, $C(O)OR^{12}$, $C(O)NR^{10}R^{11}$, SO_2R^{13}, (C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, (C_2-C_6)-alkenyloxycarbonyl-(C_1-C_6)-alkyl, aryl-(C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, heteroaryl-(C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, aryloxycarbonyl-(C_1-C_6)-alkyl, arylcarbonyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkylcarbonyl-(C_1-C_6)-alkyl, heteroarylcarbonyl-(C_1-C_6)-alkyl, heterocyclylcarbonyl-(C_1-C_6)-alkyl, or

R^4 and R^5 together with the nitrogen atom or carbon atom to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, when Q represents Q-13, Q-14, Q-15, Q-25 and Q-26,

R^6 represents hydrogen or (C_1-C_6)-alkyl,

R^8 represents hydrogen, halogen, cyano, nitro, hydrothio, hydroxy, $NR^{10}R^{11}$, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, thiocyanato, isothiocyanato, formyl, (C_1-C_6)-alkyl, (C_2-C_6)-alkenyl, (C_2-C_6)-alkynyl, (C_1-C_8)-haloalkyl, (C_2-C_6)-haloalkenyl, (C_2-C_6)-haloalkynyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, (C_4-C_8)-cycloalkenyl, (C_4-C_8)-halocycloalkenyl, pentafluorothio, (C_1-C_6)-alkoxy-(C_1-C_6)-haloalkyl, (C_1-C_6)-haloalkoxy-(C_1-C_6)-haloalkyl, (C_1-C_6)-haloalkoxy-(C_1-C_6)-alkyl, aryl, aryl-(C_1-C_6)-alkyl, heteroaryl, heteroaryl-(C_1-C_6)-alkyl, (C_3-C_6)-cycloalkyl-(C_1-C_6)-alkyl, (C_4-C_8)-cycloalkenyl-(C_1-C_6)-alkyl, heterocyclyl, heterocyclyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, (C_1-C_6)-alkylthio-(C_1-C_6)-alkyl, (C_1-C_6)-haloalkylthio-(C_1-C_6)-alkyl, (C_1-C_6)-alkylcarbonyl-(C_1-C_6)-alkyl, $C(O)OR^{12}$, $C(O)NR^{10}R^{11}$, $C(O)R^{12}$, $-C{=}NOR^{12}$, -C=NOH, $R^{10}R^{11}N$-(C_1-C_6)-alkyl, $R^{12}O(O)C$-(C_1-C_6)-alkyl, hydroxycarbonyl, hydroxycarbonyl-(C_1-C_6)-alkyl, aryl-(C_1-C_6)-alkynyl, heteroaryl-(C_1-C_6)-alkynyl, heterocyclyl-(C_1-C_6)-alkynyl, tris[(C_1-C_6)-alkyl]silyl-(C_2-C_6)-alkynyl, bis[(C_1-C_6)-alkyl](aryl)silyl-(C_2-C_6)-alkynyl, bisaryl[(C_1-C_6)-alkyl]silyl-(C_2-C_6)-alkynyl, (C_3-C_6)-cycloalkyl-(C_2-C_6)-alkynyl, aryl-(C_2-C_6)-alkenyl, heteroaryl-(C_2-C_6)-alkenyl, heterocyclyl-(C_2-C_6)-alkenyl, (C_3-C_6)-cycloalkyl-(C_2-C_6)-alkenyl, (C_1-C_6)-alkoxy-(C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, (C_1-C_6)-alkylaminosulfonylamino, (C_3-C_6)-cycloalkylaminosulfonylamino, diazo, aryldiazo, tris[(C_1-C_6)-alkyl]silyl, bis[(C_1-C_6)-alkyl](aryl)silyl, bisaryl[(C_1-C_6)-alkyl]silyl,

R^{10} and R^{11} are the same or different and independently of one another represent hydrogen, (C_1-C_6)-alkyl, (C_2-C_6)-alkenyl, (C_2-C_6)-alkynyl, (C_1-C_6)-cyanoalkyl, (C_1-C_8)-haloalkyl, (C_2-C_6)-haloalkenyl, (C_2-C_6)-haloalkynyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, (C_4-C_8)-cycloalkenyl, (C_4-C_8)-halocycloalkenyl, (C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, (C_1-C_6)-haloalkoxy-(C_1-C_6)-alkyl, (C_1-C_6)-alkylthio-(C_1-C_6)-alkyl, (C_1-C_6)-haloalkylthio-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxy-(C_1-C_6)-haloalkyl, aryl, aryl-(C_1-C_6)-alkyl, heteroaryl, heteroaryl-(C_1-C_6)-alkyl, (C_3-C_8)-cycloalkyl-(C_1-C_6)-alkyl, (C_4-C_8)-cycloalkenyl-(C_1-C_6)-alkyl, COR^{12}, SO_2R^{13}, (C_1-C_6)-alkyl-HNO_2S-, (C_3-C_8)-cycloalkyl-HNO_2S-, heterocyclyl, (C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxycarbonyl, aryl-(C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, aryl-(C_1-C_6)-alkoxycarbonyl, heteroaryl-(C_1-C_6)-alkoxycarbonyl, (C_2-C_6)-alkenyloxycarbonyl, (C_2-C_6)-alkynyloxycarbonyl, heterocyclyl-(C_1-C_6)-alkyl,

R^{12} represents (C_1-C_6)-alkyl, (C_2-C_6)-alkenyl, (C_2-C_6)-alkynyl, (C_1-C_6)-cyanoalkyl, (C_1-C_8)-haloalkyl, (C_2-C_6)-haloalkenyl, (C_2-C_6)-haloalkynyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, (C_4-C_8)-cycloalkenyl, (C_4-C_8)-halocycloalkenyl, (C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxy-(C_1-C_6)-haloalkyl, aryl, aryl-(C_1-C_6)-alkyl, heteroaryl, heteroaryl-(C_1-C_6)-alkyl, (C_3-C_8)-cycloalkyl-(C_1-C_6)-alkyl, (C_4-C_8)-cycloalkenyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, (C_2-C_6)-alkenyloxycarbonyl-(C_1-C_6)-alkyl, aryl-(C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, hydroxycarbonyl-(C_1-C_6)-alkyl, heterocyclyl, heterocyclyl-(C_1-C_6)-alkyl,

R^{13} represents (C_1-C_6)-alkyl, (C_2-C_6)-alkenyl, (C_2-C_6)-alkynyl, (C_1-C_6)-cyanoalkyl, (C_1-C_8)-haloalkyl, (C_2-C_6)-haloalkenyl, (C_2-C_6)-haloalkynyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, (C_4-C_8)-cycloalkenyl, (C_4-C_8)-halocycloalkenyl, (C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxy-(C_1-C_6)-haloalkyl, aryl, aryl-(C_1-C_6)-alkyl, heteroaryl, heteroaryl-(C_1-C_6)-alkyl, heterocyclyl-(C_1-C_6)-alkyl, (C_3-C_8)-cycloalkyl-(C_1-C_6)-alkyl, (C_4-C_8)-cycloalkenyl-(C_1-C_6)-alkyl, $NR^{10}R^{11}$,

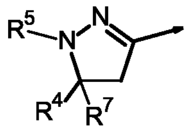
R^{14} and R^{15} independently of one another represent hydrogen, (C_1-C_6)-alkyl, fluorine, or

R^9 and R^{15} together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, and

W represents oxygen.

The invention very particularly preferably provides compounds of the general formula (I) in which

Q represents the groups Q-1 to Q-30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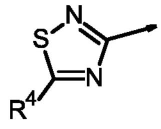
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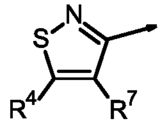
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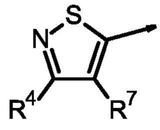
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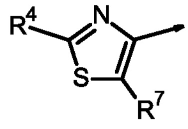
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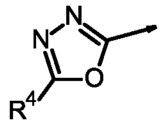
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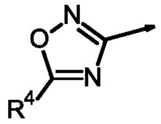
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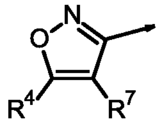
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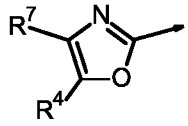
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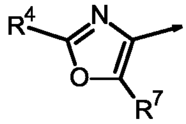
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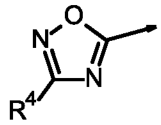
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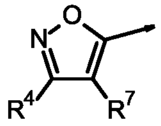
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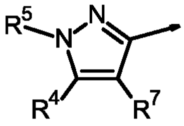
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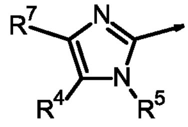
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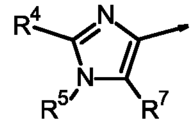
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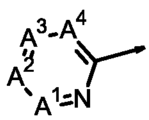
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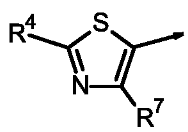
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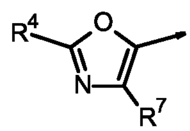
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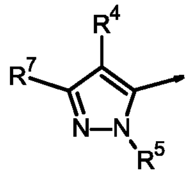
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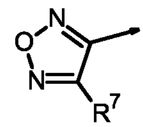
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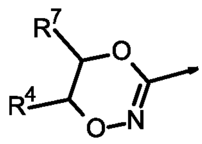
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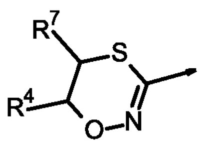
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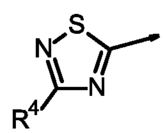
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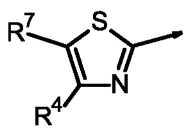
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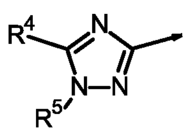
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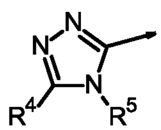
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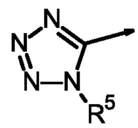
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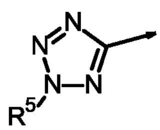
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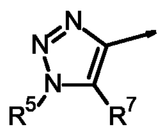
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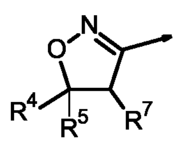

Q-30

where the arrow represents a bond of the respective Q group to the nitrogen of the tetrahydropyrimidinone in the general formula (I),

A^1, A^2, A^3, A^4 are identical or different and independently of one another represent N (nitrogen) or the moiety C-R^8, but there are never more than two adjacent nitrogen atoms, and where R^8 in the moiety C-R^8 in each case has identical or different meanings according to the definition above, or

A^1 and A^2, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution, or

A^2 and A^3, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution, or

A^3 and A^4, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution,

R^1 represents hydrogen, methyl, ethyl, n-propyl, 1-methylethyl, n-butyl, 1-methylprop-1-yl, 2-methylprop-1-yl, 1,1-dimethyleth-1-yl, n-pentyl, 1-methylbut-1-yl, 2-methylbut-1-yl, 3-methylbut-1-yl, 1,1-dimethylprop-1-yl, 1,2-dimethylprop-1-yl, 2,2-dimethylprop-1-yl, 1-ethylprop-1-yl, n-hexyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1,1-dimethylbutyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 3,3-dimethylbutyl, 1-ethylbutyl, 2-ethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-1-methylpropyl, 1-ethyl-2-methylpropyl, trifluoromethyl, pentafluoroethyl, 1,1,2,2-tetrafluoroethyl, heptafluoro-n-propyl, heptafluoroisopropyl, nonafluorobutyl, chlorodifluoromethyl, bromodifluoromethyl, dichlorofluoromethyl, iododifluoromethyl, bromofluoromethyl, 1-fluoroethyl, 2-fluoroethyl, fluoromethyl, difluoromethyl, 2,2-difluoroethyl, 2,2,2-trifluoroethyl, 3,3,3-trifluoroprop-1-yl, 3,3,3-trifluoroprop-2-yl, difluoro-tert-butyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, spiro[2.2]pent-1-yl, spiro[2.3]hex-1-yl, spiro[2.3]hex-4-yl, 3-spiro[2.3]hex-5-yl, spiro[3.3]hept-1-yl, spiro[3.3]hept-2-yl, bicyclo[1.1.0]butan-1-yl, bicyclo[1.1.0]butan-2-yl, bicyclo[2.1.0]pentan-1-yl, bicyclo[1.1.1]pentan-1-yl, bicyclo[2.1.0]pentan-2-yl, bicyclo[2.1.0]pentan-5-yl, bicyclo[2.1.1]hexyl, bicyclo[2.2.1]hept-2-yl, bicyclo[2.2.2]octan-2-yl, adamantan-1-yl, adamantan-2-yl, 1-methylcyclopropyl, 2-methylcyclopropyl, 2,2-dimethylcyclopropyl, 2,3-dimethylcyclopropyl, 1,1'-bi(cyclopropyl)-1-yl, 1,1'-bi(cyclopropyl)-2-yl, 2'-methyl-1,1'-bi(cyclopropyl)-2-yl, 1-cyanocyclopropyl, 2-cyanocyclopropyl, 1-methylcyclobutyl, 2-methylcyclobutyl, 3-methylcyclobutyl, 1-cyanocyclobutyl, 2-cyanocyclobutyl, 3-cyanocyclobutyl, 1-allylcyclopropyl, 1-vinylcyclobutyl, 1-vinylcyclopropyl, 1-ethylcyclopropyl, 1-methylcyclohexyl, 2-methylcyclohexyl, 3-methylcyclohexyl, 1-methoxycyclohexyl, 2-

methoxycyclohexyl, 3-methoxycyclohexyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl, phenyl, p-F-phenyl, m-F-phenyl, o-F-phenyl, p-Cl-phenyl, m-Cl-phenyl, o-Cl-phenyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyrimidin-2-yl, pyrimidin-4-yl, thiophen-2-yl, thiophen-3-yl, furan-2-yl, furan-3-yl, tetrahydrofuran-2-yl, tetrahydrofuran-3-yl, benzyl, p-Cl-benzyl, p-F-benzyl, p-methoxybenzyl, p-methylbenzyl, p-trifluoromethylbenzyl, p-nitrobenzyl, m-Cl-benzyl, m-F-benzyl, m-methoxybenzyl, m-methylbenzyl, o-Cl-benzyl, o-F-benzyl, o-methoxybenzyl, o-methylbenzyl, 1-phenyleth-1-yl, 2-phenyleth-1-yl, 1-(o-chlorophenyl)eth-1-yl, 1-(o-fluorophenyl)eth-1-yl, 1-(o-methylphenyl)eth-1-yl, 1-(o-bromophenyl)eth-1-yl, 1-(o-iodophenyl)eth-1-yl, pyridin-2-ylmethyl, pyridin-3-ylmethyl, pyridin-4-ylmethyl, pyrimidin-2-ylmethyl, pyrimidin-4-ylmethyl, tetrahydrofuran-2-ylmethyl, o-cyanophenylmethyl, m-cyanophenylmethyl, p-cyanophenylmethyl, cyanomethyl, cyanoethyl, methoxycarbonyl, ethoxycarbonyl, n-propyloxycarbonyl, isopropyloxycarbonyl, tert-butyloxycarbonyl, benzyloxycarbonyl, allyloxycarbonyl, methylcarbonyl, ethylcarbonyl, n-propylcarbonyl, isopropylcarbonyl, n-butylcarbonyl, 1-methylprop-1-ylcarbonyl, 2-methylprop-1-ylcarbonyl, 1,1-dimethyleth-1-ylcarbonyl, phenylcarbonyl, methylaminocarbonyl, dimethylaminocarbonyl, ethylaminocarbonyl, n-propylaminocarbonyl, isopropylaminocarbonyl, n-butylaminocarbonyl, tert-butylaminocarbonyl, benzylaminocarbonyl, methoxycarbonylmethyl, ethoxycarbonylmethyl, tert-butyloxycarbonylmethyl, benzyloxycarbonylmethyl, methoxycarbonylethyl, ethoxycarbonylethyl, tert-butyloxycarbonylmethyl, benzyloxycarbonylmethyl, methylcarbonyloxymethyl, ethylcarbonyloxymethyl, n-propylcarbonyloxymethyl, 1-methylethylcarbonyloxymethyl, 1,1-dimethylethylcarbonyloxymethyl, hydroxycarbonylmethyl, hydroxycarbonylethyl, hydroxycarbonyl-n-propyl, methoxy, ethoxy, n-propyloxy, isopropyloxy, methoxymethyl, ethoxymethyl, n-propyloxymethyl, isopropyloxymethyl, n-butyloxymethyl, methoxyethyl, ethoxyethyl, n-propyloxyethyl, isopropyloxyethyl, methoxy-n-propyl, ethoxy-n-propyl, methoxy-n-butyl, amino, dimethylamino, methyl(ethyl)amino, diethylamino, cyanomethyl, cyanoethyl, prop-2-yn-1-yl,

R^2 and R^9 independently of one another represent hydrogen, hydroxy, fluorine, methyl, ethyl, n-propyl, isopropyl, n-butyl, 1-methylprop-1-yl, 2-methylprop-1-yl, 1,1-dimethyleth-1-yl, trifluoromethyl, difluoromethyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl, p-F-phenyl, m-F-phenyl, o-F-phenyl, p-Cl-phenyl, m-Cl-phenyl, o-Cl-phenyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyrimidin-2-yl, pyrimidin-4-yl, thiophen-2-yl, thiophen-3-yl, furan-2-yl, furan-3-yl, methoxymethyl, ethoxymethyl, methoxyethyl, ethoxyethyl, methoxy, ethoxy, n-propyloxy, isopropyloxy, trifluoromethoxy, difluoromethoxy, methylthio, ethylthio, trifluoromethylthio, dimethylamino, methylamino, diethylamino, methyl(ethyl)amino, cyano, or

R^1 and R^2 together with the nitrogen atom or carbon atom to which they are respectively attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, or

R^2 and R^9 together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

R^3 represents hydroxy, hydrothio, fluorine, chlorine, bromine, iodine, methoxy, ethoxy, n-propyloxy, 1-methylethoxy, n-butyloxy, 1-methylpropyloxy, 2-methylpropyloxy, 1,1-dimethylethoxy, n-pentyloxy, 1-methylbutyloxy, 2-methylbutyloxy, 3-methylbutyloxy, 1,1-dimethylpropyloxy, 1,2-dimethylpropyloxy, 2,2-dimethylpropyloxy, 1-ethylpropyloxy, n-hexyloxy, 1-methylpentyloxy, 2-methylpentyloxy, 3-methylpentyloxy, 4-methylpentyloxy, 1,1-dimethylbutyloxy, 1,2-dimethylbutyloxy, 1,3-dimethylbutyloxy, 2,2-dimethylbutyloxy, 2,3-dimethylbutyloxy, 3,3-dimethylbutyloxy, 1-ethylbutyloxy, 2-ethylbutyloxy, 1,1,2-trimethylpropyloxy, 1,2,2-trimethylpropyloxy, 1-ethyl-1-methylpropyloxy, 1-ethyl-2-methylpropyloxy, cyclopropylmethoxy, cyclobutylmethoxy, cyclopentylmethoxy, cyclohexylmethoxy, benzyloxy, p-chlorophenylmethoxy, m-chlorophenylmethoxy, o-chlorophenylmethoxy, p-methoxyphenylmethoxy, p-nitrophenylmethoxy, methoxymethoxy, methoxyethoxy, methoxy-n-propyloxy, methoxy-n-butyloxy, ethoxymethoxy, ethoxyethoxy, ethoxy-n-propyloxy, ethoxy-n-butyloxy, n-propyloxymethoxy, isopropyloxymethoxy, methylcarbonyloxy, ethylcarbonyloxy, n-propylcarbonyloxy, 1-methylethylcarbonyloxy, n-butylcarbonyloxy, 1-methylpropylcarbonyloxy, 2-methylpropylcarbonyloxy, 1,1-dimethylethylcarbonyloxy, n-pentylcarbonyloxy, 1-methylbutylcarbonyloxy, 2-methylbutylcarbonyloxy, 3-methylbutylcarbonyloxy, 1,1-dimethylpropylcarbonyloxy, 1,2-dimethylpropylcarbonyloxy, 2,2-dimethylpropylcarbonyloxy, 1-ethylpropylcarbonyloxy, n-hexylcarbonyloxy, 1-methylpentylcarbonyloxy, 2-methylpentylcarbonyloxy, 3-methylpentylcarbonyloxy, 4-methylpentylcarbonyloxy, 1,1-dimethylbutylcarbonyloxy, 1,2-dimethylbutylcarbonyloxy, 1,3-dimethylbutylcarbonyloxy, 2,2-dimethylbutylcarbonyloxy, 2,3-dimethylbutylcarbonyloxy, 3,3-dimethylbutylcarbonyloxy, 1-ethylbutylcarbonyloxy, 2-ethylbutylcarbonyloxy, 1,1,2-trimethylpropylcarbonyloxy, 1,2,2-trimethylpropylcarbonyloxy, 1-ethyl-1-methylpropylcarbonyloxy, 1-ethyl-2-methylpropylcarbonyloxy, phenylcarbonyloxy, p-chlorophenylcarbonyloxy, m-chlorophenylcarbonyloxy, o-chlorophenylcarbonyloxy, p-fluorophenylcarbonyloxy, m-fluorophenylcarbonyloxy, o-fluorophenylcarbonyloxy, benzylcarbonyloxy, thiophen-2-ylcarbonyloxy, furan-2-ylcarbonyloxy, cyclopropylcarbonyloxy, cyclobutylcarbonyloxy, cyclopentylcarbonyloxy, cyclohexylcarbonyloxy, 1-fluorocycloprop-1-ylcarbonyloxy, 1-chlorocycloprop-1-ylcarbonyloxy, 1-cyanocycloprop-1-ylcarbonyloxy, 1-methylcycloprop-1-ylcarbonyloxy, 1-trifluoromethylcycloprop-1-ylcarbonyloxy, adamantylcarbonyloxy, trifluoromethylcarbonyloxy, difluoromethylcarbonyloxy, methoxycarbonyloxy, ethoxycarbonyloxy, n-propyloxycarbonyloxy, isopropyloxycarbonyloxy, n-butyloxycarbonyloxy, 1,1-dimethylethyloxycarbonyloxy, 2,2-dimethylpropyloxycarbonyloxy, benzyloxycarbonyloxy, allyloxycarbonyloxy, cyclopropyloxycarbonyloxy, cyclobutyloxycarbonyloxy, cyclopentyloxycarbonyloxy, cyclohexyloxycarbonyloxy, cyclopropylmethyloxycarbonyloxy, cyclobutylmethyloxycarbonyloxy, cyclopentylmethyloxycarbonyloxy, cyclohexylmethyloxycarbonyloxy, 3,3,3-trifluoroethyloxycarbonyloxy, 2,2-difluoroethyloxycarbonyloxy, pyridin-2-ylcarbonyloxy, pyridin-3-ylcarbonyloxy, pyridin-4-ylcarbonyloxy, 4-trifluoromethylpyridin-3-ylcarbonyloxy, allylcarbonyloxy, methylsulfonyloxy, ethylsulfonyloxy, n-propylsulfonyloxy, 1-methylethylsulfonyloxy, cyclopropylsulfonyloxy, cyclobutylsulfonyloxy, cyclopentylsulfonyloxy, cyclohexylsulfonyloxy, phenylsulfonyloxy, p-chlorophenylsulfonyloxy, m-chlorophenylsulfonyloxy, o-chlorophenylsulfonyloxy, p-fluorophenylsulfonyloxy, m-fluorophenylsulfonyloxy, o-fluorophenylsulfonyloxy, p-methoxyphenylsulfonyloxy, m-methoxyphenylsulfonyloxy, o-methoxyphenylsulfonyloxy, p-methylphenylsulfonyloxy, m-methylphenylsulfonyloxy, o-methylphenylsulfonyloxy,

R^4 and R^7 independently of one another represent hydrogen, fluorine, chlorine, bromine, iodine, hydroxy, hydrothio, methyl, ethyl, n-propyl, 1-methylethyl, n-butyl, 1-methylpropyl, 2-methylpropyl, 1,1-dimethylethyl, n-pentyl, 1-methylbutyl, 2-methylbutyl, 3-methylbutyl, 1,1-dimethylpropyl, 1,2-dimethylpropyl, 2,2-dimethylpropyl, 1-ethylpropyl, n-hexyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1,1-dimethylbutyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 3,3-dimethylbutyl, 1-ethylbutyl, 2-ethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-1-methylpropyl, 1-ethyl-2-methylpropyl, trifluoromethyl, pentafluoroethyl, 1,1,2,2-tetrafluoroethyl, heptafluoro-n-propyl, heptafluoroisopropyl, nonafluorobutyl, chlorodifluoromethyl, bromodifluoromethyl, dichlorofluoromethyl, iododifluoromethyl, bromofluoromethyl, 1-fluoroethyl, 2-fluoroethyl, fluoromethyl, difluoromethyl, 2,2-difluoroethyl, 2,2,2-trifluoroethyl, difluoro-tert-butyl, chloromethyl, bromomethyl, fluoromethyl, 3,3,3-trifluoro-n-propyl, 1-fluoroprop-1-yl, 1-trifluoromethylprop-1-yl, 2-trifluoromethylprop-2-yl, 1-fluoroprop-1-yl, 2-fluoroprop-2-yl, 2-chloroprop-2-yl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, 1-methylcycloprop-1-yl, 2-methylcycloprop-1-yl, 2,2-dimethylcycloprop-1-yl, 2,3-dimethylcyclopropyl, 1-cyanocycloprop-1-yl, 2-cyanocycloprop-1-yl, 1-methylcyclobutyl, 2-methylcyclobutyl, 3-methylcyclobutyl, 3,3-dimethylcyclobutyl, 1-cyanocyclobutyl, 2-cyanocyclobutyl, 3-

cyanocyclobutyl, 1-allylcyclopropyl, 1-vinylcyclobutyl, 1-vinylcyclopropyl, 1-ethylcyclopropyl, 1-methylcyclohexyl, 2-methylcyclohexyl, 3-methylcyclohexyl, 1-methoxycyclohexyl, 2-methoxycyclohexyl, 3-methoxycyclohexyl, spiro[2.2]pent-1-yl, spiro[2.3]hex-1-yl, spiro[2.3]hex-4-yl, 3-spiro[2.3]hex-5-yl, spiro[3.3]hept-1-yl, spiro[3.3]hept-2-yl, bicyclo[1.1.0]butan-1-yl, bicyclo[1.1.0]butan-2-yl, bicyclo[2.1.0]pentan-1-yl, bicyclo[1.1.1]pentan-1-yl, bicyclo[2.1.0]pentan-2-yl, bicyclo[2.1.0]pentan-5-yl, bicyclo[2.1.1]hexyl, bicyclo[2.2.1]hept-2-yl, bicyclo[2.2.2]octan-2-yl, bicyclo[3.2.1]octan-2-yl, bicyclo[3.2.2]nonan-2-yl, adamantan-1-yl, adamantan-2-yl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl, phenyl, 2-fluorophenyl, 3-fluorophenyl, 4-fluorophenyl, 2,4-difluorophenyl, 2,5-difluorophenyl, 2,6-difluorophenyl, 2,3-difluorophenyl, 3,4-difluorophenyl, 3,5-difluorophenyl, 2,4,5-trifluorophenyl, 3,4,5-trifluorophenyl, 2-chlorophenyl, 3-chlorophenyl, 4-chlorophenyl, 2,4-dichlorophenyl, 2,5-dichlorophenyl, 2,6-dichlorophenyl, 2,3-dichlorophenyl, 3,4-dichlorophenyl, 3,5-dichlorophenyl, 2,4,5-trichlorophenyl, 3,4,5-trichlorophenyl, 2,4,6-trichlorophenyl, 2-bromophenyl, 3-bromophenyl, 4-bromophenyl, 2-iodophenyl, 3-iodophenyl, 4-iodophenyl, 2-bromo-4-fluorophenyl, 2-bromo-4-chlorophenyl, 3-bromo-4-fluorophenyl, 3-bromo-4-chlorophenyl, 3-bromo-5-fluorophenyl, 3-bromo-5-chlorophenyl, 2-fluoro-4-bromophenyl, 2-chloro-4-bromophenyl, 3-fluoro-4-bromophenyl, 3-chloro-4-bromophenyl, 2-chloro-4-fluorophenyl, 3-chloro-4-fluorophenyl, 2-fluoro-3-chlorophenyl, 2-fluoro-4-chlorophenyl, 2-fluoro-5-chlorophenyl, 3-fluoro-4-chlorophenyl, 3-fluoro-5-chlorophenyl, 2-fluoro-6-chlorophenyl, 2-methylphenyl, 3-methylphenyl, 4-methylphenyl, 2,4-dimethylphenyl, 2,5-dimethylphenyl, 2,6-dimethylphenyl, 2,3-dimethylphenyl, 3,4-dimethylphenyl, 3,5-dimethylphenyl, 2,4,5-trimethylphenyl, 3,4,5-trimethylphenyl, 2,4,6-trimethylphenyl, 2-methoxyphenyl, 3-methoxyphenyl, 4-methoxyphenyl, 2,4-dimethoxyphenyl, 2,5-dimethoxyphenyl, 2,6-dimethoxyphenyl, 2,3-dimethoxyphenyl, 3,4-dimethoxyphenyl, 3,5-dimethoxyphenyl, 2,4,5-trimethoxyphenyl, 3,4,5-trimethoxyphenyl, 2,4,6-trimethoxyphenyl, 2-trifluoromethoxyphenyl, 3-trifluoromethoxyphenyl, 4-trifluoromethoxyphenyl, 2-difluoromethoxyphenyl, 3-difluoromethoxyphenyl, 4-difluoromethoxyphenyl, 2-trifluoromethylphenyl, 3-trifluoromethylphenyl, 4-trifluoromethylphenyl, 2-difluoromethylphenyl, 3-difluoromethylphenyl, 4-difluoromethylphenyl, 3,5-bis(trifluoromethyl)phenyl, 3-trifluoromethyl-5-fluorophenyl, 3-trifluoromethyl-5-chlorophenyl, 3-methyl-5-fluorophenyl, 3-methyl-5-chlorophenyl, 3-methoxy-5-fluorophenyl, 3-methoxy-5-chlorophenyl, 3-trifluoromethoxy-5-chlorophenyl, 2-ethoxyphenyl, 3-ethoxyphenyl, 4-ethoxyphenyl, 2-methylthiophenyl, 3-methylthiophenyl, 4-methylthiophenyl, 2-trifluoromethylthiophenyl, 3-trifluoromethylthiophenyl, 4-trifluoromethylthiophenyl, 2-ethylphenyl, 3-ethylphenyl, 4-ethylphenyl, 2-methoxycarbonylphenyl, 3-methoxycarbonylphenyl, 4-methoxycarbonylphenyl, 2-ethoxycarbonylphenyl, 3-

ethoxycarbonylphenyl, 4-ethoxycarbonylphenyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyrazin-2-yl, pyridazin-3-yl, pyridazin-4-yl, pyrimidin-2-yl, pyrimidin-5-yl, pyrimidin-4-yl, pyridazin-3-ylmethyl, pyridazin-4-ylmethyl, pyrimidin-2-ylmethyl, pyrimidin-5-ylmethyl, pyrimidin-4-ylmethyl, pyrazin-2-ylmethyl, 3-chloropyrazin-2-yl, 3-bromopyrazin-2-yl, 3-methoxypyrazin-2-yl, 3-ethoxypyrazin-2-yl, 3-trifluoromethylpyrazin-2-yl, 3-cyanopyrazin-2-yl, naphth-2-yl, naphth-1-yl, quinolin-4-yl, quinolin-6-yl, quinolin-8-yl, quinolin-2-yl, quinoxalin-2-yl, 2-naphthylmethyl, 1-naphthylmethyl, quinolin-4-ylmethyl, quinolin-6-ylmethyl, quinolin-8-ylmethyl, quinolin-2-ylmethyl, quinoxalin-2-ylmethyl, pyrazin-2-ylmethyl, 4-chloropyridin-2-yl, 3-chloropyridin-4-yl, 2-chloropyridin-3-yl, 2-chloropyridin-4-yl, 2-chloropyridin-5-yl, 2,6-dichloropyridin-4-yl, 3-chloropyridin-5-yl, 3,5-dichloropyridin-2-yl, 3-chloro-5-trifluoromethylpyridin-2-yl, (4-chloropyridin-2-yl)methyl, (3-chloropyridin-4-yl)methyl, (2-chloropyridin-3-yl)methyl, (2-chloropyridin-4-yl)methyl, (2-chloropyridin-5-yl)methyl, (2,6-dichloropyridin-4-yl)methyl, (3-chloropyridin-5-yl)methyl, (3,5-dichloropyridin-2-yl)methyl, thiophen-2-yl, thiophen-3-yl, 5-methylthiophen-2-yl, 5-ethylthiophen-2-yl, 5-chlorothiophen-2-yl, 5-bromothiophen-2-yl, 4-methylthiophen-2-yl, 3-methylthiophen-2-yl, 5-fluorothiophen-3-yl, 3,5-dimethylthiophen-2-yl, 3-ethylthiophen-2-yl, 4,5-dimethylthiophen-2-yl, 3,4-dimethylthiophen-2-yl, 4-chlorothiophen-2-yl, furan-2-yl, 5-methylfuran-2-yl, 5-ethylfuran-2-yl, 5-methoxycarbonylfuran-2-yl, 5-chlorofuran-2-yl, 5-bromofuran-2-yl, thiophan-2-yl, thiophan-3-yl, sulfolan-2-yl, sulfolan-3-yl, tetrahydrothiopyran-4-yl, tetrahydropyran-4-yl, tetrahydrofuran-2-yl, tetrahydrofuran-3-yl, 1-(4-methylphenyl)ethyl, 1-(3-methylphenyl)ethyl, 1-(2-methylphenyl)ethyl, 1-(4-chlorophenyl)ethyl, 1-(3-chlorophenyl)ethyl, 1-(2-chlorophenyl)ethyl, benzyl, (4-fluorophenyl)methyl, (3-fluorophenyl)methyl, (2-fluorophenyl)methyl, (2,4-difluorophenyl)methyl, (3,5-difluorophenyl)methyl, (2,5-difluorophenyl)methyl, (2,6-difluorophenyl)methyl, (2,4,5-trifluorophenyl)methyl, (2,4,6-trifluorophenyl)methyl, (4-chlorophenyl)methyl, (3-chlorophenyl)methyl, (2-chlorophenyl)methyl, (2,4-dichlorophenyl)methyl, (3,5-dichlorophenyl)methyl, (2,5-dichlorophenyl)methyl, (2,6-dichlorophenyl)methyl, (2,4,5-trichlorophenyl)methyl, (2,4,6-trichlorophenyl)methyl, (4-bromophenyl)methyl, (3-bromophenyl)methyl, (2-bromophenyl)methyl, (4-iodophenyl)methyl, (3-iodophenyl)methyl, (2-iodophenyl)methyl, (3-chloro-5-trifluoromethylpyridin-2-yl)methyl, (2-bromo-4-fluorophenyl)methyl, (2-bromo-4-chlorophenyl)methyl, (3-bromo-4-fluorophenyl)methyl, (3-bromo-4-chlorophenyl)methyl, (3-bromo-5-fluorophenyl)methyl, (3-bromo-5-chlorophenyl)methyl, (2-fluoro-4-bromophenyl)methyl, (2-chloro-4-bromophenyl)methyl, (3-fluoro-4-bromophenyl)methyl, (3-chloro-4-bromophenyl)methyl, (2-chloro-4-fluorophenyl)methyl, (3-chloro-4-fluorophenyl)methyl, (2-fluoro-3-chlorophenyl)methyl, (2-fluoro-4-chlorophenyl)methyl, (2-fluoro-5-chlorophenyl)methyl, (3-fluoro-4-chlorophenyl)methyl, (3-fluoro-5-chlorophenyl)methyl, (2-fluoro-6-chlorophenyl)methyl, 2-phenyleth-1-yl, 3-trifluoromethyl-4-

chlorophenyl, 3-chloro-4-trifluoromethylphenyl, 2-chloro-4-trifluoromethylphenyl, 3,5-difluoropyridin-2-yl, (3,6-dichloropyridin-2-yl)methyl, (4-trifluoromethylphenyl)methyl, (3-trifluoromethylphenyl)methyl, (2-trifluoromethylphenyl)methyl, (4-trifluoromethoxyphenyl)methyl, (3-trifluoromethoxyphenyl)methyl, (2-trifluoromethoxyphenyl)methyl, (4-methoxyphenyl)methyl, (3-methoxyphenyl)methyl, (2-methoxyphenyl)methyl, (4-methylphenyl)methyl, (3-methylphenyl)methyl, (2-methylphenyl)methyl, (4-cyanophenyl)methyl, (3-cyanophenyl)methyl, (2-cyanophenyl)methyl, (2,4-diethylphenyl)methyl, (3,5-diethylphenyl)methyl, (3,4-dimethylphenyl)methyl, (3,5-dimethoxyphenyl)methyl, 1-phenyleth-1-yl, 1-(o-chlorophenyl)eth-1-yl, 1,3-thiazol-2-yl, 4-methyl-1,3-thiazol-2-yl, 1,3-thiazol-2-yl, ethenyl, 1-propenyl, 2-propenyl, 1-methylethenyl, 1-butenyl, 2-butenyl, 3-butenyl, 1-methyl-1-propenyl, 2-methyl-1-propenyl, 1-methyl-2-propenyl, 2-methyl-2-propenyl, 1-pentenyl, 2-pentenyl, 3-pentenyl, 4-pentenyl, 1-methyl-1-butenyl, 2-methyl-1-butenyl, 3-methyl-1-butenyl, 1-methyl-2-butenyl, 2-methyl-2-butenyl, 3-methyl-2-butenyl, 1-methyl-3-butenyl, 2-methyl-3-butenyl, 3-methyl-3-butenyl, 1,1-dimethyl-2-propenyl, 1,2-dimethyl-1-propenyl, 1,2-dimethyl-2-propenyl, 1-ethyl-1-propenyl, 1-ethyl-2-propenyl, 1-hexenyl, 2-hexenyl, 3-hexenyl, 4-hexenyl, 5-hexenyl, 1-methyl-1-pentenyl, 2-methyl-1-pentenyl, 3-methyl-1-pentenyl, 4-methyl-1-pentenyl, 1-methyl-2-pentenyl, 2-methyl-2-pentenyl, 3-methyl-2-pentenyl, 4-methyl-2-pentenyl, 1-methyl-3-pentenyl, 2-methyl-3-pentenyl, 3-methyl-3-pentenyl, 4-methyl-3-pentenyl, 1-methyl-4-pentenyl, 2-methyl-4-pentenyl, 3-methyl-4-pentenyl, 4-methyl-4-pentenyl, 1,1-dimethyl-2-butenyl, 1,1-dimethyl-3-butenyl, 1,2-dimethyl-1-butenyl, 1,2-dimethyl-2-butenyl, 1,2-dimethyl-3-butenyl, 1,3-dimethyl-1-butenyl, 1,3-dimethyl-2-butenyl, 1,3-dimethyl-3-butenyl, 2,2-dimethyl-3-butenyl, 2,3-dimethyl-1-butenyl, 2,3-dimethyl-2-butenyl, 2,3-dimethyl-3-butenyl, 3,3-dimethyl-1-butenyl, 3,3-dimethyl-2-butenyl, 1-ethyl-1-butenyl, 1-ethyl-2-butenyl, 1-ethyl-3-butenyl, 2-ethyl-1-butenyl, 2-ethyl-2-butenyl, 2-ethyl-3-butenyl, 1,1,2-trimethyl-2-propenyl, 1-ethyl-1-methyl-2-propenyl, 1-ethyl-2-methyl-1-propenyl and 1-ethyl-2-methyl-2-propenyl, ethynyl, 1-propynyl, 2-propynyl, 1-butynyl, 2-butynyl, 3-butynyl, 1-methyl-2-propynyl, 1-pentynyl, 2-pentynyl, 3-pentynyl, 4-pentynyl, 1-methyl-2-butynyl, 1-methyl-3-butynyl, 2-methyl-3-butynyl, 3-methyl-1-butynyl, 1,1-dimethyl-2-propynyl, 1-ethyl-2-propynyl, 1-hexynyl, 2-hexynyl, 3-hexynyl, 3,3-difluorocyclobut-1-yl, 3-fluorocyclobut-1-yl, 1-fluorocyclobut-1-yl, 2,2-difluorocycloprop-1-yl, 1-fluorocycloprop-1-yl, 2-fluorocycloprop-1-yl, 4-fluorocyclohexyl, 4,4-difluorocyclohexyl, methoxycarbonylmethyl, ethoxycarbonylmethyl, n-propyloxycarbonylmethyl, isopropyloxycarbonylmethyl, n-butyloxycarbonylmethyl, tert-butyloxycarbonylmethyl, methoxymethyl, ethoxymethyl, n-propyloxymethyl, isopropyloxymethyl, n-butyloxymethyl, methoxyethyl, ethoxyethyl, n-propyloxyethyl, isopropyloxyethyl, methoxy-n-propyl, methoxy-n-butyl, trifluoromethoxymethyl, difluoromethoxymethyl, 2,2-difluoroethoxymethyl, 2,2,2-trifluoroethoxymethyl, trifluoromethoxyethyl, difluoromethoxyethyl, 2,2-difluoroethoxyethyl, 2,2,2-trifluoroethoxyethyl, methoxycarbonyl, ethoxycarbonyl, n-propyloxycarbonyl, isopropyloxycarbonyl, n-butyloxycarbonyl, tert-butyloxycarbonyl, allyloxycarbonyl, benzyloxycarbonyl, methylcarbonyl, ethylcarbonyl, n-propylcarbonyl, isopropylcarbonyl, n-butylcarbonyl, tert-butylcarbonyl, phenylcarbonyl, p-chlorophenylcarbonyl, m-chlorophenylcarbonyl, o-chlorophenylcarbonyl, p-fluorophenylcarbonyl, m-fluorophenylcarbonyl, o-fluorophenylcarbonyl, p-methoxyphenylcarbonyl, m-methoxyphenylcarbonyl, o-methoxyphenylcarbonyl, p-trifluoromethylphenylcarbonyl, m-trifluoromethylphenylcarbonyl, o-trifluoromethylphenylcarbonyl, methoxy, ethoxy, n-propyloxy, isopropyloxy, benzyloxy, p-chlorophenylmethoxy, phenyloxy, p-chlorophenyloxy, m-chlorophenyloxy, o-chlorophenyloxy, p-fluorophenyloxy, m-fluorophenyloxy, o-fluorophenyloxy, p-methoxyphenyloxy, m-methoxyphenyloxy, o-methoxyphenyloxy, p-trifluoromethylphenyloxy, m-trifluoromethylphenyloxy, o-trifluoromethylphenyloxy, methylaminocarbonyl, ethylaminocarbonyl, n-propylaminocarbonyl, isopropylaminocarbonyl, cyclopropylaminocarbonyl, cyclobutylaminocarbonyl, cyclopentylaminocarbonyl, cyclohexylaminocarbonyl, cyclopropylmethylaminocarbonyl, cyclobutylmethylaminocarbonyl, cyclopentylmethylaminocarbonyl, cyclohexylmethylaminocarbonyl, dimethylaminocarbonyl, diethylaminocarbonyl, benzylmethylaminocarbonyl, methylamino, dimethylamino, ethylamino, diethylamino, n-propylamino, isopropylamino, cyclopropylamino, cyclobutylamino, cyclopentylamino, cyclohexylamino, benzylamino, cyanomethyl, cyanoethyl, 3-cyanoprop-1-yl, 2-cyanoprop-1-yl, 1-cyanoprop-1-yl, 2-cyanoprop-2-yl, 2-cyano-1,1-dimethyleth-1-yl, 1-(cyanomethyl)-1-methylprop-1-yl, hydroxycarbonyl, hydroxycarbonylmethyl, hydroxycarbonylethyl, CHO, methoxyethylthio, ethoxyethylthio, trifluoromethoxyethylthio, pentafluoroethoxyethylthio, methylthioethylthio, ethylthioethylthio, trifluoromethylthioethylthio, pentafluorothioethylthio, benzylthio, p-chlorophenylmethylthio, m-chlorophenylmethylthio, o-chlorophenylmethylthio, p-fluorophenylmethylthio, m-fluorophenylmethylthio, o-fluorophenylmethylthio, methylthio, ethylthio, n-propylthio, isopropylthio, n-butylthio, tert-butylthio, cyclobutylthio, cyclopentylthio, cyclohexylthio, phenylthio, pyrid-2-ylthio, pyrid-3-ylthio, pyrid-4-ylthio, p-chlorophenylthio, m-chlorophenylthio, o-chlorophenylthio, p-fluorophenylthio, m-fluorophenylthio, o-fluorophenylthio, p-methoxyphenylthio, m-methoxyphenylthio, o-methoxyphenylthio, p-methylphenylthio, m-methylphenylthio, o-methylphenylthio, methylsulfonyl, ethylsulfonyl, n-propylsulfonyl, 1-methylethylsulfonyl, cyclopropylsulfonyl, cyclobutylsulfonyl, cyclopentylsulfonyl, cyclohexylsulfonyl, phenylsulfonyloxy, p-chlorophenylsulfonyl, m-chlorophenylsulfonyl, o-chlorophenylsulfonyl, p-fluorophenylsulfonyl, m-fluorophenylsulfonyl, o-fluorophenylsulfonyl, p-methoxyphenylsulfonyl, m-methoxyphenylsulfonyl, o-methoxyphenylsulfonyl, p-methylphenylsulfonyl, m-methylphenylsulfonyl, o-methylphenylsulfonyl, 2-methoxyprop-2-yl, 2-ethoxyprop-2-yl, 2-n-propyloxyprop-2-yl, 2-n-butyloxyprop-2-yl, 2-benzyloxyprop-2-yl, 2-phenylethyloxyprop-2-yl, 2-trifluoromethyloxyprop-2-yl, 2-difluoromethyloxyprop-2-yl, 2,2,2-trifluoroethyloxyprop-2-yl, 2,2-difluoroethyloxyprop-2-yl, 2-(4-chlorophenylmethoxy)prop-2-yl, 2-(4-fluorophenylmethoxy)prop-2-yl, 2-(4-bromophenylmethoxy)prop-2-yl, 2-(4-trifluoromethylphenylmethoxy)prop-2-yl, 2-(4-methylphenylmethoxy)prop-2-yl, 2-(3-chlorophenylmethoxy)prop-2-yl, 2-(3-fluorophenylmethoxy)prop-2-yl, 2-(3-bromophenylmethoxy)prop-2-yl, 2-(3-trifluoromethylphenylmethoxy)prop-2-yl, 2-(3-methylphenylmethoxy)prop-2-yl, 2-(2-chlorophenylmethoxy)prop-2-yl, 2-(2-fluorophenylmethoxy)prop-2-yl, 2-(2-bromophenylmethoxy)prop-2-yl, 2-(2-trifluoromethylphenylmethoxy)prop-2-yl, 2-(2-methylphenylmethoxy)prop-2-yl, 2-(methoxymethyl)prop-2-yl, 2-(ethoxymethyl)prop-2-yl, 2-methoxycarbonylprop-2-yl, 2-ethoxycarbonylprop-2-yl, 2-hydroxycarbonylprop-2-yl, 2-aminocarbonylprop-2-yl, aminocarbonyl, aminocarbonylmethyl, aminocarbonylethyl, cyano, hydroxymethyl, hydroxyethyl, 2-hydroxyprop-2-yl, allyloxymethyl, 2-allyloxyethyl, 2-allyloxyprop-2-yl, or

R^4 and R^7 together with the carbon atom to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, when Q represents Q-3, Q-4, Q-8, Q-9, Q-12, Q-13, Q-19 and Q-30,

R^5 represents hydrogen, formyl, methyl, ethyl, n-propyl, 1-methylethyl, n-butyl, 1-methylpropyl, 2-methylpropyl, 1,1-dimethylethyl, n-pentyl, 1-methylbutyl, 2-methylbutyl, 3-methylbutyl, 1,1-dimethylpropyl, 1,2-dimethylpropyl, 2,2-dimethylpropyl, 1-ethylpropyl, n-hexyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1,1-dimethylbutyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 3,3-dimethylbutyl, 1-ethylbutyl, 2-ethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-1-methylpropyl, 1-ethyl-2-methylpropyl, 2,2-difluoroethyl, 2,2,2-trifluoroethyl, 3,3,3-trifluoro-n-propyl, methoxymethyl, ethoxymethyl, methoxyethyl, ethoxyethyl, methoxy-n-propyl, methoxy-n-butyl, ethoxy-n-propyl, ethoxy-n-butyl, hydroxyethyl, hydroxy-n-propyl, hydroxycarbonylmethyl, hydroxycarbonylethyl, hydroxycarbonyl-n-propyl, methoxycarbonylmethyl, ethoxycarbonylmethyl, n-propyloxycarbonylmethyl, isopropyloxycarbonylmethyl, tert-butyloxycarbonylmethyl, methoxycarbonylethyl, ethoxycarbonylethyl, n-propyloxycarbonylethyl, isopropyloxycarbonylethyl, tert-butyloxycarbonylethyl, methoxycarbonyl-n-propyl, ethoxycarbonyl-n-propyl, benzyloxycarbonylmethyl, benzyloxycarbonylethyl, allyloxycarbonylmethyl, allyloxycarbonylethyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, 1-methylcycloprop-1-yl, 2-methylcycloprop-1-yl, 2,2-dimethylcycloprop-1-yl, 2,3-dimethylcyclopropyl, 1-cyanopropyl, 2-cyanopropyl, 1-

methylcyclobutyl, 2-methylcyclobutyl, 3-methylcyclobutyl, 3,3-dimethylcyclobutyl, 1-cyanocyclobutyl, 2-cyanocyclobutyl, 3-cyanocyclobutyl, 1-allylcyclopropyl, 1-vinylcyclobutyl, 1-vinylcyclopropyl, 1-ethylcyclopropyl, 1-methylcyclohexyl, 2-methylcyclohexyl, 3-methylcyclohexyl, 1-methoxycyclohexyl, 2-methoxycyclohexyl, 3-methoxycyclohexyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl, cyanomethyl, 2-cyanoeth-1-yl, 1-cyanoeth-1-yl, cyano-n-propyl, methoxycarbonyl, ethoxycarbonyl, tert-butyloxycarbonyl, benzyloxycarbonyl, n-butyloxycarbonyl, allyloxycarbonyl, methylcarbonyl, ethylcarbonyl, n-propylcarbonyl, isopropylcarbonyl, n-butylcarbonyl, tert-butylcarbonyl, phenylcarbonyl, p-chlorophenylcarbonyl, m-chlorophenylcarbonyl, o-chlorophenylcarbonyl, p-fluorophenylcarbonyl, m-fluorophenylcarbonyl, o-fluorophenylcarbonyl, p-methoxyphenylcarbonyl, m-methoxyphenylcarbonyl, o-methoxyphenylcarbonyl, p-trifluoromethylphenylcarbonyl, m-trifluoromethylphenylcarbonyl, o-trifluoromethylphenylcarbonyl, methylaminocarbonyl, ethylaminocarbonyl, isopropylaminocarbonyl, n-propylaminocarbonyl, phenylaminocarbonyl, p-Cl-phenylaminocarbonyl, m-Cl-phenylaminocarbonyl, o-Cl-phenylaminocarbonyl, cyclopropylaminocarbonyl, cyclobutylaminocarbonyl, cyclopentylaminocarbonyl, cyclohexylaminocarbonyl, cyclopropylmethylaminocarbonyl, cyclobutylmethylaminocarbonyl, cyclopentylmethylaminocarbonyl, cyclohexylmethylaminocarbonyl, dimethylaminocarbonyl, diethylaminocarbonyl, benzyl(methyl)aminocarbonyl, prop-2-en-1-yl, prop-2-yn-1-yl, 1-fluorocycloprop-1-yl, 2-fluorocycloprop-1-yl, 2,2-difluorocycloprop-1-yl, 3,3-difluorocyclobut-1-yl, phenyl, 2-fluorophenyl, 3-fluorophenyl, 4-fluorophenyl, 2,4-difluorophenyl, 2,5-difluorophenyl, 2,6-difluorophenyl, 2,3-difluorophenyl, 3,4-difluorophenyl, 3,5-difluorophenyl, 2,4,5-trifluorophenyl, 3,4,5-trifluorophenyl, 2-chlorophenyl, 3-chlorophenyl, 4-chlorophenyl, 2,4-dichlorophenyl, 2,5-dichlorophenyl, 2,6-dichlorophenyl, 2,3-dichlorophenyl, 3,4-dichlorophenyl, 3,5-dichlorophenyl, 2,4,5-trichlorophenyl, 3,4,5-trichlorophenyl, 2,4,6-trichlorophenyl, 2-bromophenyl, 3-bromophenyl, 4-bromophenyl, 2-iodophenyl, 3-iodophenyl, 4-iodophenyl, 2-bromo-4-fluorophenyl, 2-bromo-4-chlorophenyl, 3-bromo-4-fluorophenyl, 3-bromo-4-chlorophenyl, 3-bromo-5-fluorophenyl, 3-bromo-5-chlorophenyl, 2-fluoro-4-bromophenyl, 2-chloro-4-bromophenyl, 3-fluoro-4-bromophenyl, 3-chloro-4-bromophenyl, 2-chloro-4-fluorophenyl, 3-chloro-4-fluorophenyl, 2-fluoro-3-chlorophenyl, 2-fluoro-4-chlorophenyl, 2-fluoro-5-chlorophenyl, 3-fluoro-4-chlorophenyl, 3-fluoro-5-chlorophenyl, 2-fluoro-6-chlorophenyl, 2-methylphenyl, 3-methylphenyl, 4-methylphenyl, 2,4-dimethylphenyl, 2,5-dimethylphenyl, 2,6-dimethylphenyl, 2,3-dimethylphenyl, 3,4-dimethylphenyl, 3,5-dimethylphenyl, 2,4,5-trimethylphenyl, 3,4,5-trimethylphenyl, 2,4,6-trimethylphenyl, 2-methoxyphenyl, 3-methoxyphenyl, 4-methoxyphenyl, 2,4-dimethoxyphenyl, 2,5-dimethoxyphenyl, 2,6-dimethoxyphenyl, 2,3-dimethoxyphenyl, 3,4-dimethoxyphenyl, 3,5-dimethoxyphenyl, 2,4,5-trimethoxyphenyl, 3,4,5-trimethoxyphenyl, 2,4,6-trimethoxyphenyl, 2-

trifluoromethoxyphenyl, 3-trifluoromethoxyphenyl, 4-trifluoromethoxyphenyl, 2-difluoromethoxyphenyl, 3-difluoromethoxyphenyl, 4-difluoromethoxyphenyl, 2-trifluoromethylphenyl, 3-trifluoromethylphenyl, 4-trifluoromethylphenyl, 2-difluoromethylphenyl, 3-difluoromethylphenyl, 4-difluoromethylphenyl, 3,5-bis(trifluoromethyl)phenyl, 3-trifluoromethyl-5-fluorophenyl, 3-trifluoromethyl-5-chlorophenyl, 3-methyl-5-fluorophenyl, 3-methyl-5-chlorophenyl, 3-methoxy-5-fluorophenyl, 3-methoxy-5-chlorophenyl, 3-trifluoromethoxy-5-chlorophenyl, 2-ethoxyphenyl, 3-ethoxyphenyl, 4-ethoxyphenyl, 2-methylthiophenyl, 3-methylthiophenyl, 4-methylthiophenyl, 2-trifluoromethylthiophenyl, 3-trifluoromethylthiophenyl, 4-trifluoromethylthiophenyl, methoxymethyl, 2-ethylphenyl, 3-ethylphenyl, 4-ethylphenyl, 2-methoxycarbonylphenyl, 3-methoxycarbonylphenyl, 4-methoxycarbonylphenyl, 2-ethoxycarbonylphenyl, 3-ethoxycarbonylphenyl, 4-ethoxycarbonylphenyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyrazin-2-yl, pyridazin-3-yl, pyridazin-4-yl, pyrimidin-2-yl, pyrimidin-5-yl, pyrimidin-4-yl, pyridazin-3-ylmethyl, pyridazin-4-ylmethyl, pyrimidin-2-ylmethyl, pyrimidin-5-ylmethyl, pyrimidin-4-ylmethyl, pyrazin-2-ylmethyl, 3-chloropyrazin-2-yl, 3-bromopyrazin-2-yl, 3-methoxypyrazin-2-yl, 3-ethoxypyrazin-2-yl, 3-trifluoromethylpyrazin-2-yl, 3-cyanopyrazin-2-yl, naphth-2-yl, naphth-1-yl, quinolin-4-yl, quinolin-6-yl, quinolin-8-yl, quinolin-2-yl, quinoxalin-2-yl, 2-naphthylmethyl, 1-naphthylmethyl, quinolin-4-ylmethyl, quinolin-6-ylmethyl, quinolin-8-ylmethyl, quinolin-2-ylmethyl, quinoxalin-2-ylmethyl, pyrazin-2-ylmethyl, 4-chloropyridin-2-yl, 3-chloropyridin-4-yl, 2-chloropyridin-3-yl, 2-chloropyridin-4-yl, 2-chloropyridin-5-yl, 2,6-dichloropyridin-4-yl, 3-chloropyridin-5-yl, 3,5-dichloropyridin-2-yl, 3-chloro-5-trifluoromethylpyridin-2-yl, (4-chloropyridin-2-yl)methyl, (3-chloropyridin-4-yl)methyl, (2-chloropyridin-3-yl)methyl, (2-chloropyridin-4-yl)methyl, (2-chloropyridin-5-yl)methyl, (2,6-dichloropyridin-4-yl)methyl, (3-chloropyridin-5-yl)methyl, (3,5-dichloropyridin-2-yl)methyl, thiophen-2-yl, thiophen-3-yl, 5-methylthiophen-2-yl, 5-ethylthiophen-2-yl, 5-chlorothiophen-2-yl, 5-bromothiophen-2-yl, 4-methylthiophen-2-yl, 3-methylthiophen-2-yl, 5-fluorothiophen-3-yl, 3,5-dimethylthiophen-2-yl, 3-ethylthiophen-2-yl, 4,5-dimethylthiophen-2-yl, 3,4-dimethylthiophen-2-yl, 4-chlorothiophen-2-yl, furan-2-yl, 5-methylfuran-2-yl, 5-ethylfuran-2-yl, 5-methoxycarbonylfuran-2-yl, 5-chlorofuran-2-yl, 5-bromofuran-2-yl, thiophan-2-yl, thiophan-3-yl, sulfolan-2-yl, sulfolan-3-yl, benzyl, (4-fluorophenyl)methyl, (3-fluorophenyl)methyl, (2-fluorophenyl)methyl, (2,4-difluorophenyl)methyl, (3,5-difluorophenyl)methyl, (2,5-difluorophenyl)methyl, (2,6-difluorophenyl)methyl, (2,4,5-trifluorophenyl)methyl, (2,4,6-trifluorophenyl)methyl, (4-chlorophenyl)methyl, (3-chlorophenyl)methyl, (2-chlorophenyl)methyl, (2,4-dichlorophenyl)methyl, (3,5-dichlorophenyl)methyl, (2,5-dichlorophenyl)methyl, (2,6-dichlorophenyl)methyl, (2,4,5-trichlorophenyl)methyl, (2,4,6-trichlorophenyl)methyl, (4-bromophenyl)methyl, (3-bromophenyl)methyl, (2-bromophenyl)methyl, (4-iodophenyl)methyl, (3-iodophenyl)methyl, (2-iodophenyl)methyl, (3-

chloro-5-trifluoromethylpyridin-2-yl)methyl, (2-bromo-4-fluorophenyl)methyl, (2-bromo-4-chlorophenyl)methyl, (3-bromo-4-fluorophenyl)methyl, (3-bromo-4-chlorophenyl)methyl, (3-bromo-5-fluorophenyl)methyl, (3-bromo-5-chlorophenyl)methyl, (2-fluoro-4-bromophenyl)methyl, (2-chloro-4-bromophenyl)methyl, (3-fluoro-4-bromophenyl)methyl, (3-chloro-4-bromophenyl)methyl, (2-chloro-4-fluorophenyl)methyl, (3-chloro-4-fluorophenyl)methyl, (2-fluoro-3-chlorophenyl)methyl, (2-fluoro-4-chlorophenyl)methyl, (2-fluoro-5-chlorophenyl)methyl, (3-fluoro-4-chlorophenyl)methyl, (3-fluoro-5-chlorophenyl)methyl, (2-fluoro-6-chlorophenyl)methyl, phenylethyl, 3-trifluoromethyl-4-chlorophenyl, 3-chloro-4-trifluoromethylphenyl, 2-chloro-4-trifluoromethylphenyl, 3,5-difluoropyridin-2-yl, (3,6-dichloropyridin-2-yl)methyl, (4-trifluoromethylphenyl)methyl, (3-trifluoromethylphenyl)methyl, (2-trifluoromethylphenyl)methyl, (4-trifluoromethoxyphenyl)methyl, (3-trifluoromethoxyphenyl)methyl, (2-trifluoromethoxyphenyl)methyl, (4-methoxyphenyl)methyl, (3-methoxyphenyl)methyl, (2-methoxyphenyl)methyl, (4-methylphenyl)methyl, (3-methylphenyl)methyl, (2-methylphenyl)methyl, (4-cyanophenyl)methyl, (3-cyanophenyl)methyl, (2-cyanophenyl)methyl, (2,4-diethylphenyl)methyl, (3,5-diethylphenyl)methyl, (3,4-dimethylphenyl)methyl, (3,5-dimethoxyphenyl)methyl, 1-phenyleth-1-yl, methylsulfonyl, ethylsulfonyl, n-propylsulfonyl, 1-methylethylsulfonyl, cyclopropylsulfonyl, cyclobutylsulfonyl, cyclopentylsulfonyl, cyclohexylsulfonyl, phenylsulfonyloxy, p-chlorophenylsulfonyl, m-chlorophenylsulfonyl, o-chlorophenylsulfonyl, p-fluorophenylsulfonyl, m-fluorophenylsulfonyl, o-fluorophenylsulfonyl, p-methoxyphenylsulfonyl, m-methoxyphenylsulfonyl, o-methoxyphenylsulfonyl, p-methylphenylsulfonyl, m-methylphenylsulfonyl, o-methylphenylsulfonyl, phenylcarbonylmethyl, p-chlorophenylcarbonylmethyl, m-chlorophenylcarbonylmethyl, o-chlorophenylcarbonylmethyl, p-fluorophenylcarbonylmethyl, m-fluorophenylcarbonylmethyl, o-fluorophenylcarbonylmethyl, methylcarbonylmethyl, ethylcarbonylmethyl, n-propylcarbonylmethyl, isopropylcarbonylmethyl, n-butylcarbonylmethyl, tert-butylcarbonylmethyl, or

R^4 and R^5 together with the nitrogen atom or carbon atom to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, when Q represents Q-13, Q-14, Q-15, Q-25 and Q-26,

R^6 represents hydrogen, methyl, ethyl,

R^8 represents hydrogen, halogen, cyano, nitro, hydrothio, hydroxy, methylamino, ethylamino, isopropylamino, n-propylamino, dimethylamino, diethylamino, cyclopropylamino, cyclobutylamino, cyclopentylamino, cyclohexylamino, methoxycarbonylmethylamino, methoxycarbonylethylamino, ethoxycarbonylmethylamino, ethoxycarbonylethylamino, methoxycarbonylamino, ethoxycarbonylamino, tert-butyloxycarbonylamino, phenylamino, N-piperidinyl, N-pyrrolidinyl, N-morpholinyl, methylaminocarbonylamino, ethylaminocarbonylamino, n-propylaminocarbonylamino, isopropylaminocarbonylamino, benzylaminocarbonylamino, phenylaminocarbonylamino, p-Cl-phenylaminocarbonylamino, m-Cl-phenylaminocarbonylamino, o-Cl-phenylaminocarbonylamino, cyclopropylaminocarbonylamino, cyclobutylaminocarbonylamino, cyclopentylaminocarbonylamino, cyclohexylaminocarbonylamino, dimethylaminocarbonylamino, methoxy, ethoxy, n-propyloxy, isopropyloxy, n-butyloxy, tert-butyloxy, methoxycarbonyloxy, ethoxycarbonyloxy, tert-butyloxycarbonyloxy, methylaminocarbonyloxy, ethylaminocarbonyloxy, n-propylaminocarbonyloxy, isopropylaminocarbonyloxy, benzylaminocarbonyloxy, phenylaminocarbonyloxy, cyclopropylaminocarbonyloxy, cyclobutylaminocarbonyloxy, cyclopentylaminocarbonyloxy, cyclohexylaminocarbonyloxy, dimethylaminocarbonyloxy, phenyloxy, p-Cl-phenyloxy, o-Cl-phenyloxy, m-Cl-phenyloxy, m-trifluoromethylphenyloxy, p-trifluoromethylphenyloxy, trifluoromethyloxy, difluoromethyloxy, 2,2-difluoroethyloxy, 2,2,2-trifluoroethyloxy, methylthio, ethylthio, n-propylthio, isopropylthio, phenylthio, p-Cl-phenylthio, m-Cl-phenylthio, o-Cl-phenylthio, pyridin-2-ylthio, pyridin-3-ylthio, benzylthio, trifluoromethylthio, pentafluoroethylthio, cyclopropylthio, cyclobutylthio, cyclopentylthio, cyclohexylthio, methylsulfinyl, ethylsulfinyl, n-propylsulfinyl, isopropylsulfinyl, n-butylsulfinyl, tert-butylsulfinyl, phenylsulfinyl, benzylsulfinyl, pyridin-2-ylsulfinyl, methylsulfonyl, ethylsulfonyl, n-propylsulfonyl, isopropylsulfonyl, n-butylsulfonyl, tert-butylsulfonyl, phenylsulfonyl, benzylsulfonyl, pyridin-2-ylsulfonyl, methyl, ethyl, n-propyl, 1-methylethyl, n-butyl, 1-methylpropyl, 2-methylpropyl, 1,1-dimethylethyl, n-pentyl, 1-methylbutyl, 2-methylbutyl, 3-methylbutyl, 1,1-dimethylpropyl, 1,2-dimethylpropyl, 2,2-dimethylpropyl, 1-ethylpropyl, n-hexyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1,1-dimethylbutyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 3,3-dimethylbutyl, 1-ethylbutyl, 2-ethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-1-methylpropyl, 1-ethyl-2-methylpropyl, thiocyanato, isothiocyanato, formyl, ethenyl, 1-propenyl, 2-propenyl, 1-methylethenyl, 1-butenyl, 2-butenyl, 3-butenyl, 1-methyl-1-propenyl, 2-methyl-1-propenyl, 1-methyl-2-propenyl, 2-methyl-2-propenyl, 1-pentenyl, 2-pentenyl, 3-pentenyl, 4-pentenyl, 1-methyl-1-butenyl, 2-methyl-1-butenyl, 3-methyl-1-butenyl, 1-methyl-2-butenyl, 2-methyl-2-butenyl, 3-methyl-2-butenyl, 1-methyl-3-butenyl, 2-methyl-3-butenyl, 3-methyl-3-butenyl, 1,1-dimethyl-2-propenyl, 1,2-dimethyl-1-propenyl, 1,2-dimethyl-2-propenyl, 1-ethyl-1-propenyl, 1-ethyl-2-propenyl, ethynyl, 1-propynyl, 2-propynyl, 1-butynyl, 2-butynyl, 3-butynyl, 1-methyl-2-propynyl, 1-pentynyl, 2-pentynyl, 3-pentynyl, 4-pentynyl, 1-methyl-2-butynyl, 1-methyl-3-

butynyl, 2-methyl-3-butynyl, 3-methyl-1-butynyl, 1,1-dimethyl-2-propynyl, 1-ethyl-2-propynyl, 1-hexynyl, 2-hexynyl, 3-hexynyl, 3,3-difluorocyclobut-1-yl, 3-fluorocyclobut-1-yl, 1-fluorocyclobut-1-yl, 2,2-difluorocycloprop-1-yl, 1-fluorocycloprop-1-yl, 2-fluorocycloprop-1-yl, 4-fluorocyclohexyl, 4,4-difluorocyclohexyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, 1-methylcycloprop-1-yl, 2-methylcycloprop-1-yl, 2,2-dimethylcycloprop-1-yl, 2,3-dimethylcyclopropyl, 1-cyanopropyl, 2-cyanopropyl, 1-methylcyclobutyl, 2-methylcyclobutyl, 3-methylcyclobutyl, 3,3-dimethylcyclobutyl, 1-cyanocyclobutyl, 2-cyanocyclobutyl, 3-cyanocyclobutyl, 1-allylcyclopropyl, 1-vinylcyclobutyl, 1-vinylcyclopropyl, 1-ethylcyclopropyl, 1-methylcyclohexyl, 2-methylcyclohexyl, 3-methylcyclohexyl, 1-methoxycyclohexyl, 2-methoxycyclohexyl, 3-methoxycyclohexyl, spiro[2.2]pent-1-yl, spiro[2.3]hex-1-yl, spiro[2.3]hex-4-yl, 3-spiro[2.3]hex-5-yl, spiro[3.3]hept-1-yl, spiro[3.3]hept-2-yl, bicyclo[1.1.0]butan-1-yl, bicyclo[1.1.0]butan-2-yl, bicyclo[2.1.0]pentan-1-yl, bicyclo[1.1.1]pentan-1-yl, bicyclo[2.1.0]pentan-2-yl, bicyclo[2.1.0]pentan-5-yl, bicyclo[2.1.1]hexyl, bicyclo[2.2.1]hept-2-yl, bicyclo[2.2.2]octan-2-yl, bicyclo[3.2.1]octan-2-yl, bicyclo[3.2.2]nonan-2-yl, adamantan-1-yl, adamantan-2-yl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl, trifluoromethyl, pentafluoroethyl, 1,1,2,2-tetrafluoroethyl, heptafluoro-n-propyl, heptafluoroisopropyl, nonafluorobutyl, chlorodifluoromethyl, bromodifluoromethyl, dichlorofluoromethyl, iododifluoromethyl, bromofluoromethyl, 1-fluoroethyl, 2-fluoroethyl, fluoromethyl, difluoromethyl, 2,2-difluoroethyl, 2,2,2-trifluoroethyl, difluoro-tert-butyl, chloromethyl, bromomethyl, fluoromethyl, 3,3,3-trifluoro-n-propyl, methoxycarbonyl, ethoxycarbonyl, isopropyloxycarbonyl, n-propyloxycarbonyl, n-butyloxycarbonyl, tert-butyloxycarbonyl, benzyloxycarbonyl, allyloxycarbonyl, methylaminocarbonyl, ethylaminocarbonyl, n-propylaminocarbonyl, isopropylaminocarbonyl, benzylaminocarbonyl, phenylaminocarbonyl, cyclopropylaminocarbonyl, cyclobutylaminocarbonyl, cyclopentylaminocarbonyl, cyclohexylaminocarbonyl, dimethylaminocarbonyl, diethylaminocarbonyl, allylaminocarbonyl, pentafluorothio, methoxydifluoromethyl, ethoxydifluoromethyl, n-propyloxydifluoromethyl, trifluoromethoxymethyl, trifluoromethoxyethyl, trifluoromethoxy-n-propyl, methoxymethyl, ethoxymethyl, n-propyloxymethyl, ethoxyethyl, methoxyethyl, n-propyloxyethyl, methoxy-n-propyl, ethoxy-n-propyl, 1-methoxyeth-1-yl, 1-methoxyprop-1-yl, 1-ethoxyeth-1-yl, 2-methoxyprop-2-yl, 2-ethoxyprop-2-yl, methylthiomethyl, methylthioethyl, methylthio-n-propyl, ethylthiomethyl, trifluoromethylthiomethyl, pentafluoroethylthiomethyl, trifluoromethylthioethyl, trifluoromethylthio-n-propyl, methylcarbonyl, ethylcarbonyl, isopropylcarbonyl, n-butylcarbonyl, tert-butylcarbonyl, phenylcarbonyl, o-Cl-phenylcarbonyl, m-Cl-phenylcarbonyl, p-Cl-phenylcarbonyl, methoxycarbonylmethyl, ethoxycarbonylmethyl, methoxycarbonylethyl, ethoxycarbonylethyl, n-propyloxycarbonylmethyl, tert-butyloxycarbonylmethyl, tert-butyloxycarbonylethyl, hydroxycarbonylmethyl, hydroxycarbonylethyl, hydroxycarbonyl, methylaminocarbonylmethyl, ethylaminocarbonylmethyl, n-propylaminocarbonylmethyl, isopropylaminocarbonylmethyl, benzylaminocarbonylmethyl, phenylaminocarbonylmethyl, cyclopropylaminocarbonylmethyl, cyclobutylaminocarbonylmethyl, cyclopentylaminocarbonylmethyl, cyclohexylaminocarbonylmethyl, dimethylaminocarbonylmethyl, diethylaminocarbonylmethyl, allylaminocarbonylmethyl, methylaminomethyl, dimethylaminomethyl, diethylaminomethyl, ethylaminomethyl, isopropylaminomethyl, n-propylaminomethyl, n-butylaminomethyl, methylaminoethyl, dimethylaminoethyl, diethylaminoethyl, N-pyrrolidinylmethyl, N-piperidinylmethyl, hydroxyimino, methoxyimino, ethoxyimino, n-propyloxyimino, n-butyloxyimino, isopropyloxyimino, tert-butyloxyimino, cyclopropylmethoxyimino, cyclobutylmethoxyimino, cyclopentylmethoxyimino, cyclohexylmethoxyimino, benzyloxyimino, phenyloxyimino, allyloxyimino, p-Cl-phenylmethyloxyimino, phenylethynyl, p-Cl-phenylethynyl, m-Cl-phenylethynyl, o-Cl-phenylethynyl, p-F-phenylethynyl, m-F-phenylethynyl, o-F-phenylethynyl, pyridin-2-ylethynyl, pyridin-3-ylethynyl, thiophen-2-ylethynyl, trimethylsilylethynyl, triethylsilylethynyl, tri(isopropyl)silylethynyl, cyclopropylethynyl, cyclobutylethynyl, cyclopentylethynyl, cyclohexylethynyl, phenyl, benzyl, p-Cl-phenyl, m-Cl-phenyl, o-Cl-phenyl, p-F-phenyl, m-F-phenyl, o-F-phenyl, p-trifluoromethylphenyl, m-trifluoromethylphenyl, o-trifluoromethylphenyl, p-methylphenyl, m-methylphenyl, o-methylphenyl, p-methoxyphenyl, m-methoxyphenyl, o-methoxyphenyl, p-Cl-phenylmethyl, m-Cl-phenylmethyl, o-Cl-phenylmethyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, thiophen-2-yl, thiophen-3-yl, furan-2-yl, furan-3-yl, pyrimidin-2-yl, pyrazin-2-yl, methoxymethoxymethyl, ethoxyethoxymethyl, methoxyethoxymethyl, methylaminosulfonylamino, dimethylaminosulfonylamino, ethylaminosulfonylamino, diethylaminosulfonylamino, isopropylaminosulfonylamino, cyclopropylaminosulfonylamino, cyclobutylaminosulfonylamino, cyclopentylaminosulfonylamino, cyclohexylaminosulfonylamino, diazo, phenyldiazo, trimethylsilyl, tri(isopropyl)silyl, triethylsilyl, dimethyl(phenyl)silyl, diphenyl(methyl)silyl,

R^{14} and R^{15} independently of one another represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, fluorine, or

R^9 and R^{15} together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

and

W represents oxygen.

The invention especially provides compounds of the general formula (I) in which

R^1 represents hydrogen, methyl, ethyl, n-propyl, 1-methylethyl, n-butyl, 1-methylprop-1-yl, 2-methylprop-1-yl, 1,1-dimethyleth-1-yl, n-pentyl, 1-methylbut-1-yl, 2-methylbut-1-yl, 3-methylbut-1-yl, 1,1-dimethylprop-1-yl, 1,2-dimethylprop-1-yl, 2,2-dimethylprop-1-yl, 1-ethylprop-1-yl, n-hexyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1,1-dimethylbutyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 3,3-dimethylbutyl, 1-ethylbutyl, 2-ethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-1-methylpropyl, 1-ethyl-2-methylpropyl, trifluoromethyl, pentafluoroethyl, 1,1,2,2-tetrafluoroethyl, heptafluoro-n-propyl, heptafluoroisopropyl, nonafluorobutyl, chlorodifluoromethyl, bromodifluoromethyl, dichlorofluoromethyl, iododifluoromethyl, bromofluoromethyl, 1-fluoroethyl, 2-fluoroethyl, fluoromethyl, difluoromethyl, 2,2-difluoroethyl, 2,2,2-trifluoroethyl, 3,3,3-trifluoroprop-1-yl, 3,3,3-trifluoroprop-2-yl, difluoro-tert-butyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, adamantan-1-yl, adamantan-2-yl, 1-methylcyclopropyl, 2-methylcyclopropyl, 2,2-dimethylcyclopropyl, 2,3-dimethylcyclopropyl, 1,1'-bi(cyclopropyl)-1-yl, 1,1'-bi(cyclopropyl)-2-yl, 2'-methyl-1,1'-bi(cyclopropyl)-2-yl, 1-cyanocyclopropyl, 2-cyanocyclopropyl, 1-methylcyclobutyl, 2-methylcyclobutyl, 3-methylcyclobutyl, 1-cyanocyclobutyl, 2-cyanocyclobutyl, 3-cyanocyclobutyl, 1-allylcyclopropyl, 1-vinylcyclobutyl, 1-vinylcyclopropyl, 1-ethylcyclopropyl, 1-methylcyclohexyl, 2-methylcyclohexyl, 3-methylcyclohexyl, 1-methoxycyclohexyl, 2-methoxycyclohexyl, 3-methoxycyclohexyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl, phenyl, p-F-phenyl, m-F-phenyl, o-F-phenyl, p-Cl-phenyl, m-Cl-phenyl, o-Cl-phenyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyrimidin-2-yl, pyrimidin-4-yl, thiophen-2-yl, thiophen-3-yl, furan-2-yl, furan-3-yl, tetrahydrofuran-2-yl, tetrahydrofuran-3-yl, benzyl, p-Cl-benzyl, p-F-benzyl, p-methoxybenzyl, p-methylbenzyl, p-trifluoromethylbenzyl, p-nitrobenzyl, m-Cl-benzyl, m-F-benzyl, m-methoxybenzyl, m-methylbenzyl, o-Cl-benzyl, o-F-benzyl, o-methoxybenzyl, o-methylbenzyl, 1-phenyleth-1-yl, 2-phenyleth-1-yl, 1-(o-chlorophenyl)eth-1-yl, 1-(o-fluorophenyl)eth-1-yl, 1-(o-methylphenyl)eth-1-yl, 1-(o-bromophenyl)eth-1-yl, 1-(o-iodophenyl)eth-1-yl, pyridin-2-ylmethyl, pyridin-3-ylmethyl, pyridin-4-ylmethyl, pyrimidin-2-ylmethyl, pyrimidin-4-ylmethyl, tetrahydrofuran-2-ylmethyl, o-cyanophenylmethyl, m-cyanophenylmethyl, p-cyanophenylmethyl, cyanomethyl, cyanoethyl, methoxycarbonyl, ethoxycarbonyl, n-propyloxycarbonyl, isopropyloxycarbonyl, tert-butyloxycarbonyl, benzyloxycarbonyl, allyloxycarbonyl, methylcarbonyl, ethylcarbonyl, n-propylcarbonyl, isopropylcarbonyl, n-butylcarbonyl, 1-methylprop-1-ylcarbonyl, 2-methylprop-

1-ylcarbonyl, 1,1-dimethyleth-1-ylcarbonyl, phenylcarbonyl, methylaminocarbonyl, dimethylaminocarbonyl, ethylaminocarbonyl, n-propylaminocarbonyl, isopropylaminocarbonyl, n-butylaminocarbonyl, tert-butylaminocarbonyl, benzylaminocarbonyl, methoxycarbonylmethyl, ethoxycarbonylmethyl, tert-butyloxycarbonylmethyl, benzyloxycarbonylmethyl, methoxycarbonylethyl, ethoxycarbonylethyl, tert-butyloxycarbonylmethyl, benzyloxycarbonylmethyl, methylcarbonyloxymethyl, ethylcarbonyloxymethyl, n-propylcarbonyloxymethyl, 1-methylethylcarbonyloxymethyl, 1,1-dimethylethylcarbonyloxymethyl, hydroxycarbonylmethyl, hydroxycarbonylethyl, hydroxycarbonyl-n-propyl, methoxy, ethoxy, n-propyloxy, isopropyloxy, methoxymethyl, ethoxymethyl, n-propyloxymethyl, isopropyloxymethyl, n-butyloxymethyl, methoxyethyl, ethoxyethyl, n-propyloxyethyl, isopropyloxyethyl, methoxy-n-propyl, ethoxy-n-propyl, methoxy-n-butyl, amino, dimethylamino, methyl(ethyl)amino, diethylamino, cyanomethyl, cyanoethyl, prop-2-yn-1-yl,

R^2 and R^9 independently of one another represent hydrogen, hydroxy, fluorine, methyl, ethyl, n-propyl, isopropyl, n-butyl, 1-methylprop-1-yl, 2-methylprop-1-yl, 1,1-dimethyleth-1-yl, trifluoromethyl, difluoromethyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl, p-F-phenyl, m-F-phenyl, o-F-phenyl, p-Cl-phenyl, m-Cl-phenyl, o-Cl-phenyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyrimidin-2-yl, pyrimidin-4-yl, thiophen-2-yl, thiophen-3-yl, furan-2-yl, furan-3-yl, methoxymethyl, ethoxymethyl, methoxyethyl, ethoxyethyl, methoxy, ethoxy, n-propyloxy, isopropyloxy, trifluoromethoxy, difluoromethoxy, methylthio, ethylthio, trifluoromethylthio, dimethylamino, methylamino, diethylamino, methyl(ethyl)amino, cyano, or

R^1 and R^2 together with the nitrogen atom or carbon atom to which they are respectively attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, or

R^2 and R^9 together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

R^3 represents hydroxy, hydrothio, fluorine, chlorine, bromine, iodine, methoxy, ethoxy, n-propyloxy, 1-methylethoxy, n-butyloxy, 1-methylpropyloxy, 2-methylpropyloxy, 1,1-dimethylethoxy, n-pentyloxy, 1-methylbutyloxy, 2-methylbutyloxy, 3-methylbutyloxy, 1,1-dimethylpropyloxy, 1,2-dimethylpropyloxy, 2,2-dimethylpropyloxy, 1-ethylpropyloxy, n-hexyloxy, 1-methylpentyloxy, 2-methylpentyloxy, 3-methylpentyloxy, 4-methylpentyloxy, 1,1-dimethylbutyloxy, 1,2-dimethylbutyloxy, 1,3-dimethylbutyloxy, 2,2-dimethylbutyloxy, 2,3-dimethylbutyloxy, 3,3-dimethylbutyloxy, 1-ethylbutyloxy, 2-ethylbutyloxy, 1,1,2-trimethylpropyloxy, 1,2,2-trimethylpropyloxy, 1-ethyl-1-methylpropyloxy, 1-ethyl-2-methylpropyloxy, cyclopropylmethoxy, cyclobutylmethoxy, cyclopentylmethoxy, cyclohexylmethoxy, benzyloxy, p-chlorophenylmethoxy, m-chlorophenylmethoxy, o-chlorophenylmethoxy, p-methoxyphenylmethoxy, p-nitrophenylmethoxy, methoxymethoxy, methoxyethoxy, methoxy-n-propyloxy, methoxy-n-butyloxy, ethoxymethoxy, ethoxyethoxy, ethoxy-n-propyloxy, ethoxy-n-butyloxy, n-propyloxymethoxy, isopropyloxymethoxy, methylcarbonyloxy, ethylcarbonyloxy, n-propylcarbonyloxy, 1-methylethylcarbonyloxy, n-butylcarbonyloxy, 1-methylpropylcarbonyloxy, 2-methylpropylcarbonyloxy, 1,1-dimethylethylcarbonyloxy, n-pentylcarbonyloxy, 1-methylbutylcarbonyloxy, 2-methylbutylcarbonyloxy, 3-methylbutylcarbonyloxy, 1,1-dimethylpropylcarbonyloxy, 1,2-dimethylpropylcarbonyloxy, 2,2-dimethylpropylcarbonyloxy, 1-ethylpropylcarbonyloxy, n-hexylcarbonyloxy, 1-methylpentylcarbonyloxy, 2-methylpentylcarbonyloxy, 3-methylpentylcarbonyloxy, 4-methylpentylcarbonyloxy, 1,1-dimethylbutylcarbonyloxy, 1,2-dimethylbutylcarbonyloxy, 1,3-dimethylbutylcarbonyloxy, 2,2-dimethylbutylcarbonyloxy, 2,3-dimethylbutylcarbonyloxy, 3,3-dimethylbutylcarbonyloxy, 1-ethylbutylcarbonyloxy, 2-ethylbutylcarbonyloxy, 1,1,2-trimethylpropylcarbonyloxy, 1,2,2-trimethylpropylcarbonyloxy, 1-ethyl-1-methylpropylcarbonyloxy, 1-ethyl-2-methylpropylcarbonyloxy, phenylcarbonyloxy, p-chlorophenylcarbonyloxy, m-chlorophenylcarbonyloxy, o-chlorophenylcarbonyloxy, p-fluorophenylcarbonyloxy, m-fluorophenylcarbonyloxy, o-fluorophenylcarbonyloxy, benzylcarbonyloxy, thiophen-2-ylcarbonyloxy, furan-2-ylcarbonyloxy, cyclopropylcarbonyloxy, cyclobutylcarbonyloxy, cyclopentylcarbonyloxy, cyclohexylcarbonyloxy, 1-fluorocycloprop-1-ylcarbonyloxy, 1-chlorocycloprop-1-ylcarbonyloxy, 1-cyanocycloprop-1-ylcarbonyloxy, 1-methylcycloprop-1-ylcarbonyloxy, 1-trifluoromethylcycloprop-1-ylcarbonyloxy, adamantylcarbonyloxy, trifluoromethylcarbonyloxy, difluoromethylcarbonyloxy, methoxycarbonyloxy, ethoxycarbonyloxy, n-propyloxycarbonyloxy, isopropyloxycarbonyloxy, n-butyloxycarbonyloxy, 1,1-dimethylethyloxycarbonyloxy, 2,2-dimethylpropyloxycarbonyloxy, benzyloxycarbonyloxy, allyloxycarbonyloxy, cyclopropyloxycarbonyloxy, cyclobutyloxycarbonyloxy, cyclopentyloxycarbonyloxy, cyclohexyloxycarbonyloxy, cyclopropylmethyloxycarbonyloxy, cyclobutylmethyloxycarbonyloxy, cyclopentylmethyloxycarbonyloxy, cyclohexylmethyloxycarbonyloxy, 3,3,3-trifluoroethyloxycarbonyloxy, 2,2-difluoroethyloxycarbonyloxy, pyridin-2-ylcarbonyloxy, pyridin-3-ylcarbonyloxy, pyridin-4-ylcarbonyloxy, 4-trifluoromethylpyridin-3-ylcarbonyloxy, allylcarbonyloxy, methylsulfonyloxy, ethylsulfonyloxy, n-propylsulfonyloxy, 1-methylethylsulfonyloxy, cyclopropylsulfonyloxy, cyclobutylsulfonyloxy, cyclopentylsulfonyloxy, cyclohexylsulfonyloxy, phenylsulfonyloxy, p-chlorophenylsulfonyloxy, m-chlorophenylsulfonyloxy, o-chlorophenylsulfonyloxy, p-fluorophenylsulfonyloxy, m-fluorophenylsulfonyloxy, o-fluorophenylsulfonyloxy, p-methoxyphenylsulfonyloxy, m-methoxyphenylsulfonyloxy, o-methoxyphenylsulfonyloxy, p-methylphenylsulfonyloxy, m-methylphenylsulfonyloxy, o-methylphenylsulfonyloxy,

R^6 represents hydrogen,

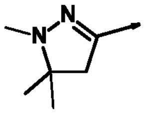
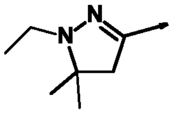
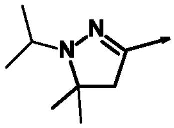
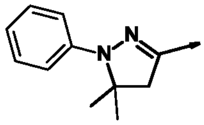
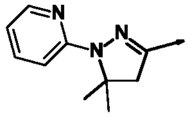
R^{14} and R^{15} independently of one another represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, fluorine, or

R^9 and R^{15} together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

W represents oxygen

and

Q represents one of the moieties Q-1.1 to Q-30.5 specified below, where the arrow represents a bond of the respective Q group to the nitrogen of the tetrahydropyrimidinone in the general formula (I),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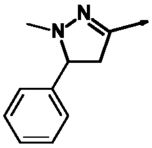	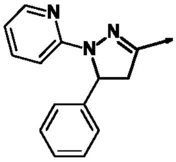	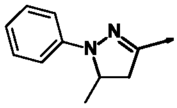	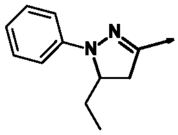	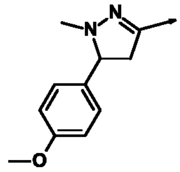
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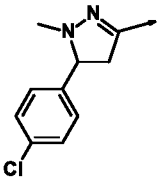	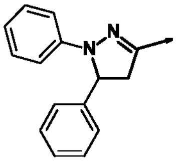	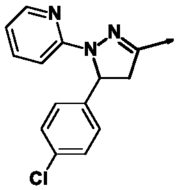	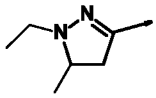	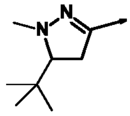
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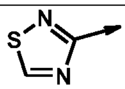	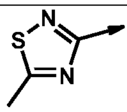	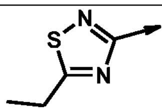	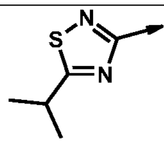	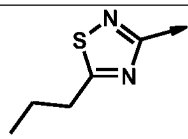
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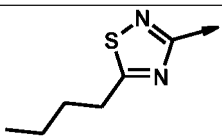	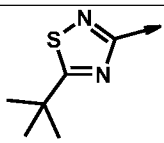	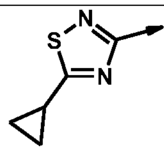	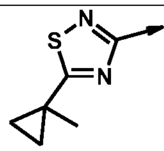	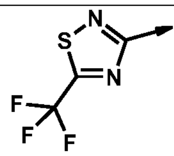
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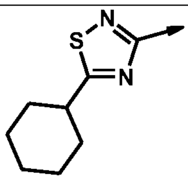	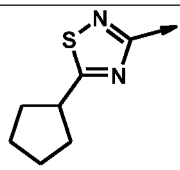	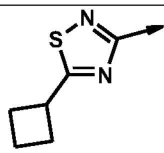	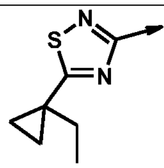	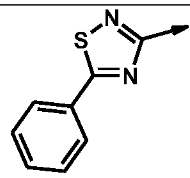
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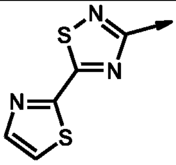	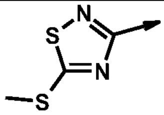	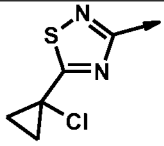	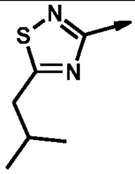	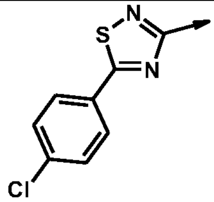
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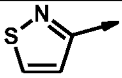	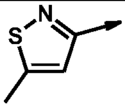	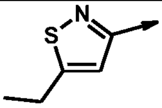	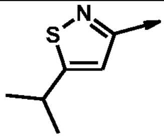	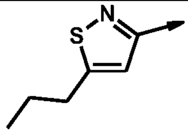
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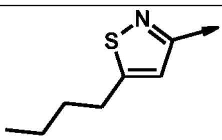
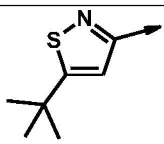
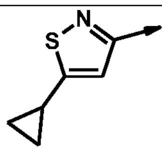
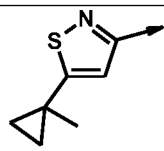
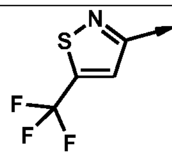
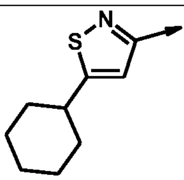
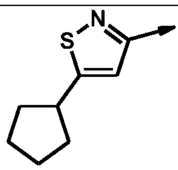
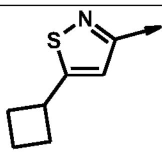
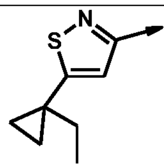
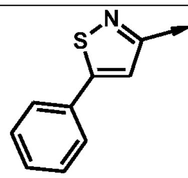
				
Q-3.6	Q-3.7	Q-3.8	Q-3.9	Q-3.10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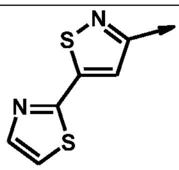	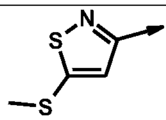	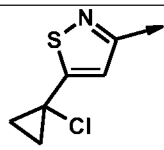	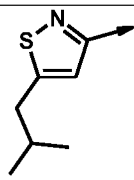	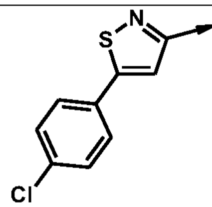
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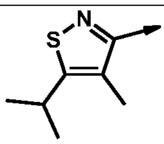	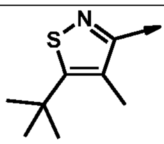	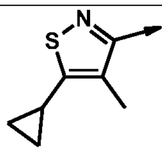	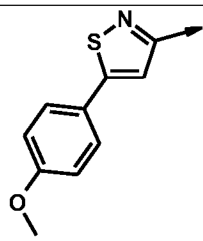	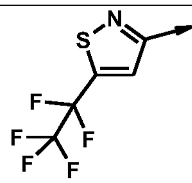
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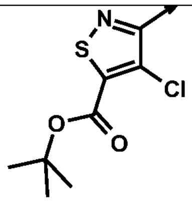	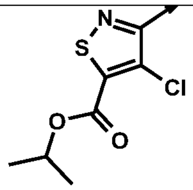	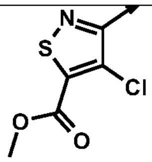	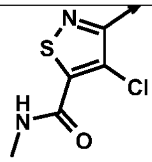	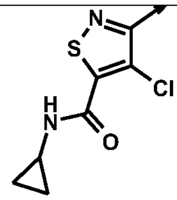
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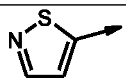	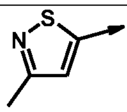	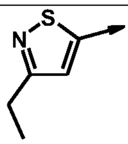	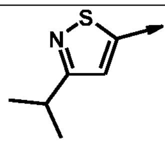	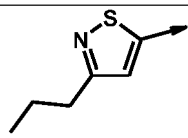
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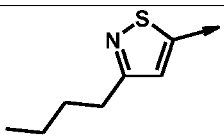	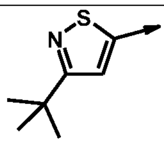	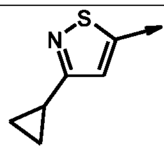	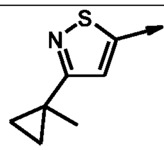	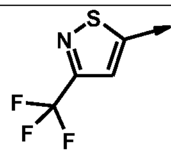
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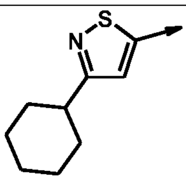	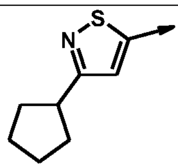	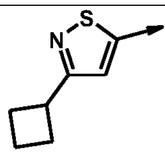	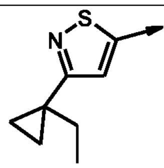	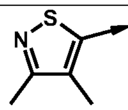
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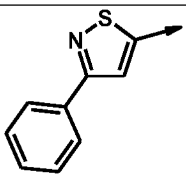	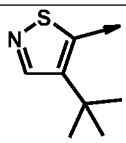	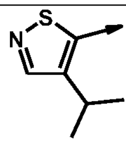	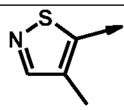	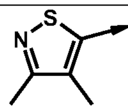
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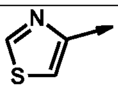
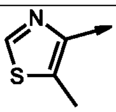
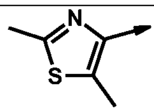
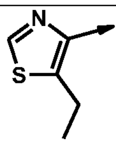
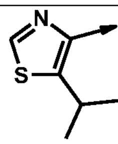
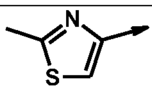
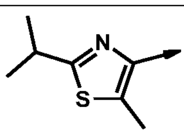
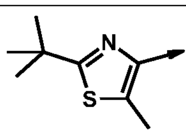
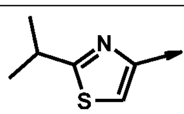
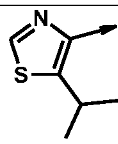
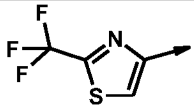
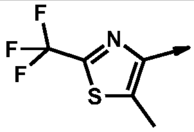
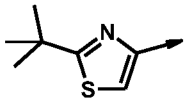
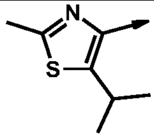
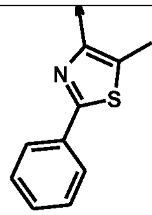
				
Q-5.1	Q-5.2	Q-5.3	Q-5.4	Q-5.5

Q-5.6	Q-5.7	Q-5.8	Q-5.9	Q-5.10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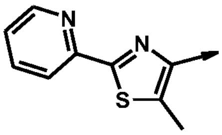
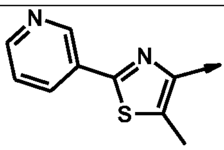
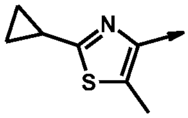
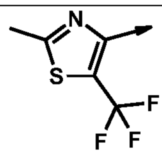
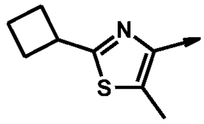
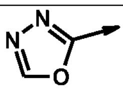
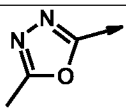
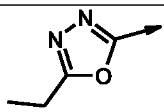
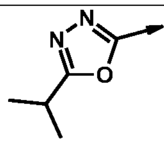
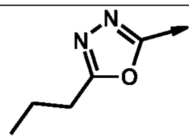
				
Q-5.16	Q-5.17	Q-5.18	Q-5.19	Q-5.20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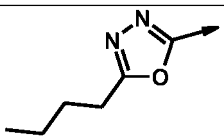	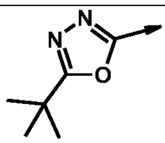	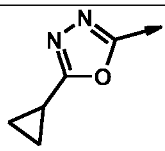	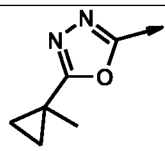	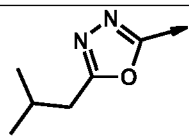
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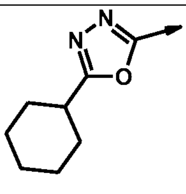	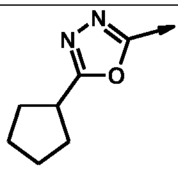	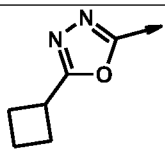	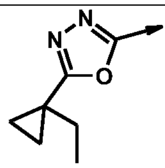	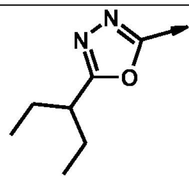
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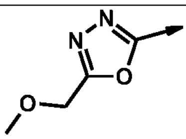	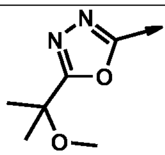	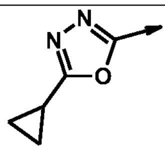	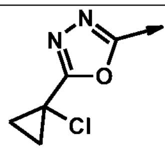	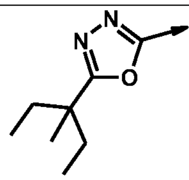
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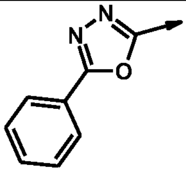	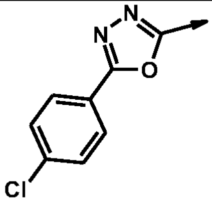	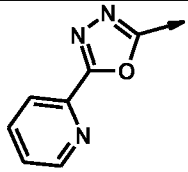	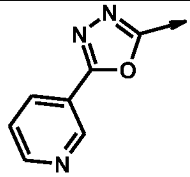	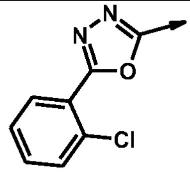
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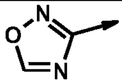	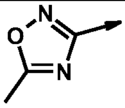	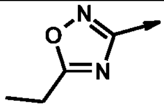	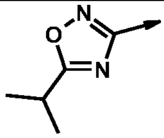	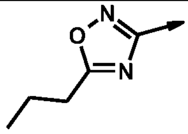
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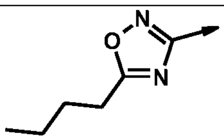	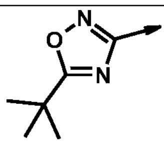	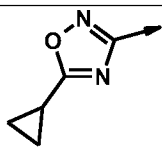	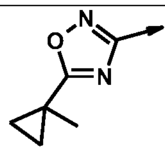	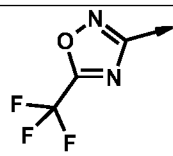
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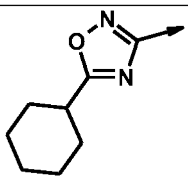	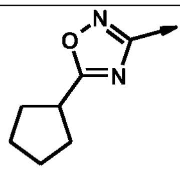	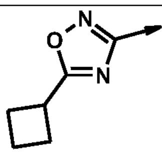	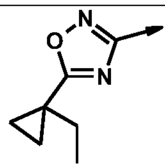	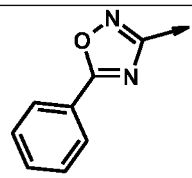
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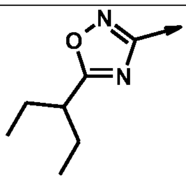	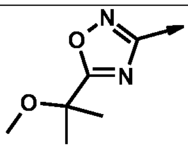	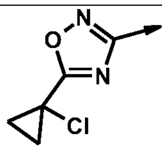	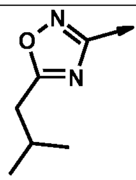	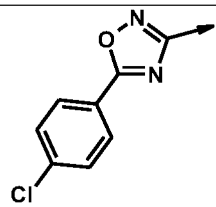
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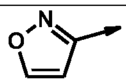	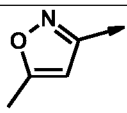	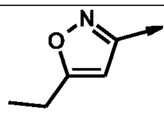	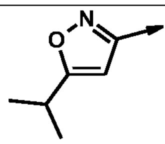	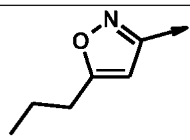
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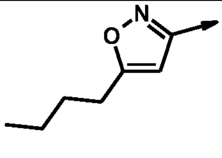	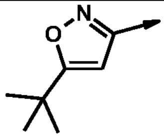	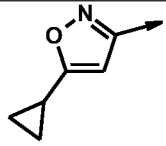	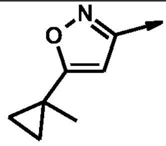	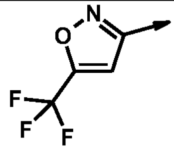
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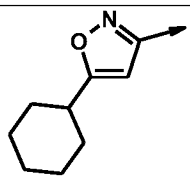	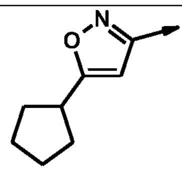	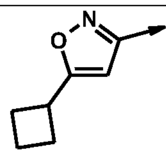	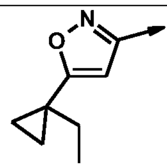	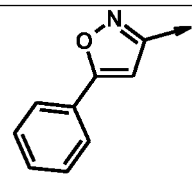
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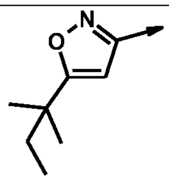	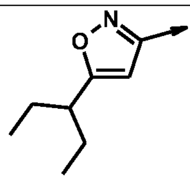	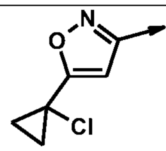	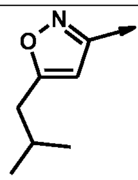	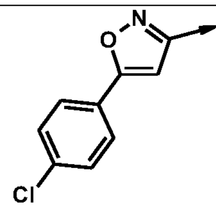
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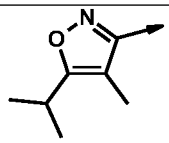	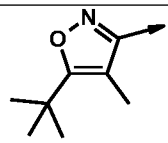	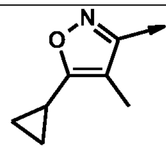	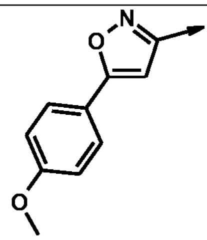	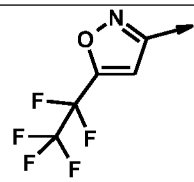
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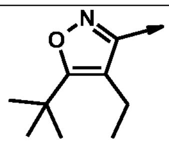	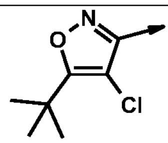	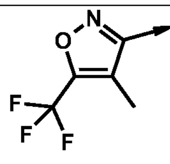	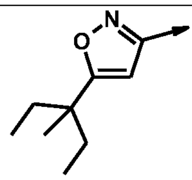	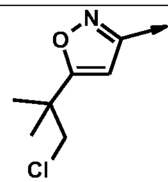
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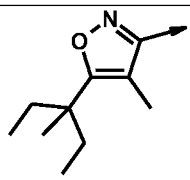	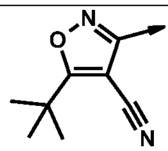	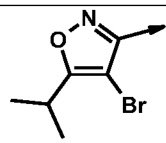	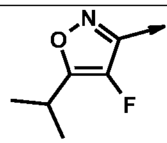	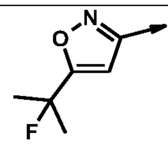
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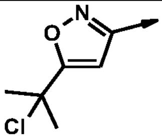
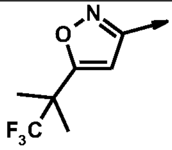
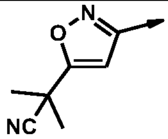
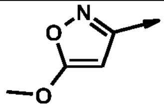
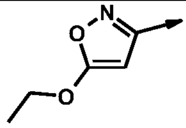
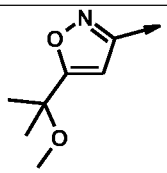
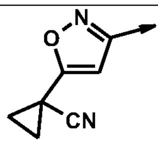
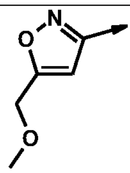
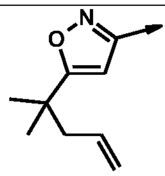
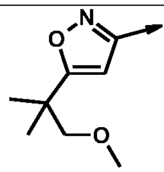
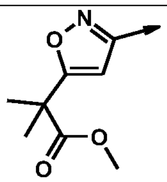
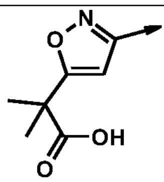
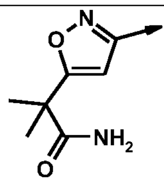
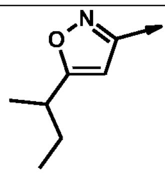
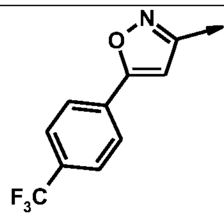
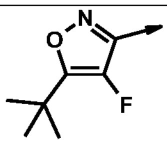
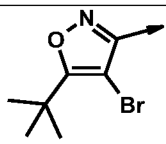
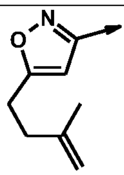
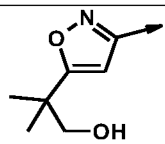
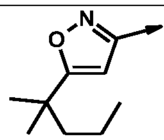
				
Q-8.36	Q-8.37	Q-8.38	Q-8.39	Q-8.40

				
Q-8.41	Q-8.42	Q-8.43	Q-8.44	Q-8.45

				
Q-8.46	Q-8.47	Q-8.48	Q-8.49	Q-8.50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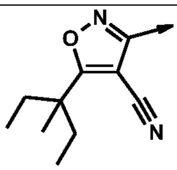
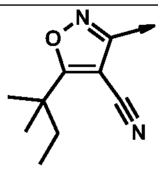
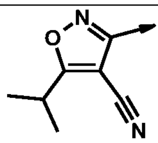
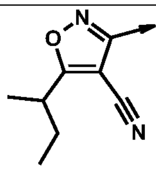
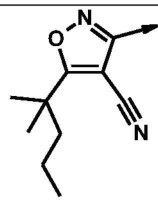
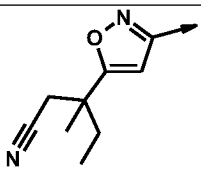
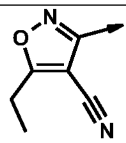
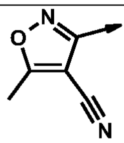
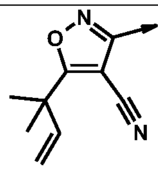
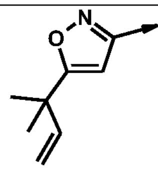
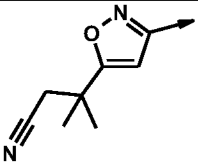
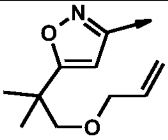
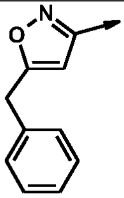
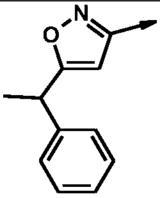
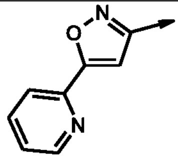
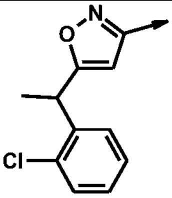
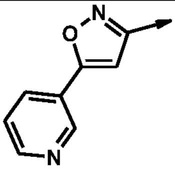
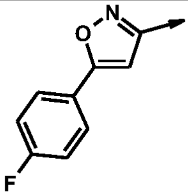
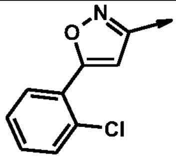
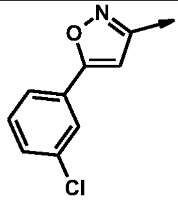
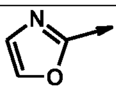
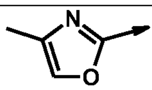
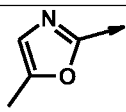
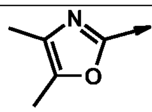
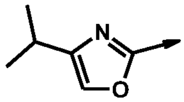
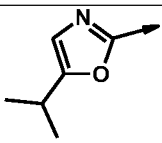
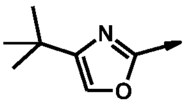
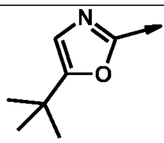
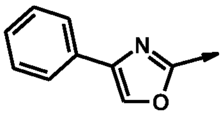
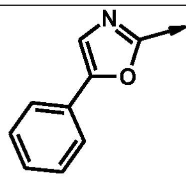
				
Q-8.56	Q-8.57	Q-8.58	Q-8.59	Q-8.60

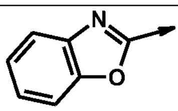
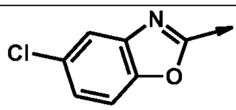
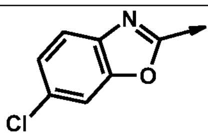
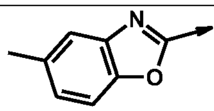
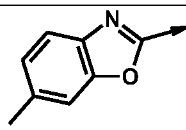
				
Q-8.61	Q-8.62	Q-8.63	Q-8.64	Q-8.65

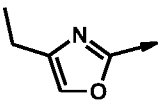
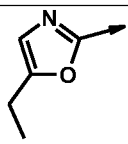
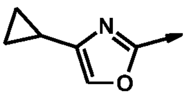
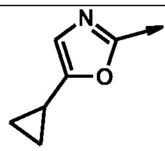
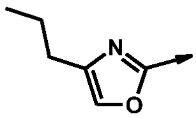
				
Q-8.66	Q-8.67	Q-8.68	Q-8.69	Q-8.70

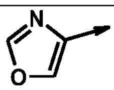
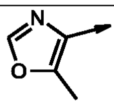
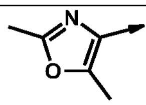
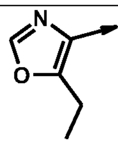
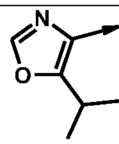
				
Q-8.71	Q-8.72	Q-8.73	Q-8.74	Q-8.75

				
Q-9.1	Q-9.2	Q-9.3	Q-9.4	Q-9.5

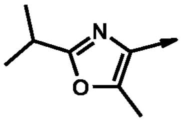
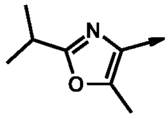
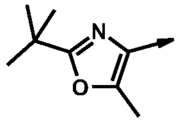
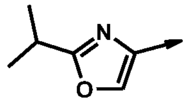
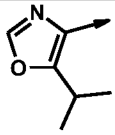
				
Q-9.6	Q-9.7	Q-9.8	Q-9.9	Q-9.10

				
Q-9.11	Q-9.12	Q-9.13	Q-9.14	Q-9.15

				
Q-9.16	Q-9.17	Q-9.18	Q-9.19	Q-9.20

Q-10.1	Q-10.2	Q-10.3	Q-10.4	Q-10.5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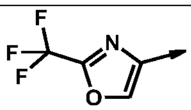	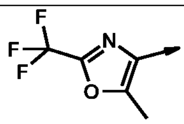	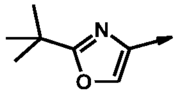	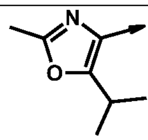	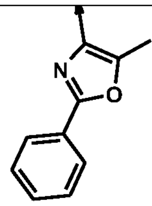
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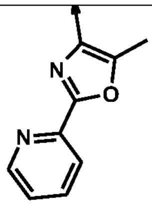	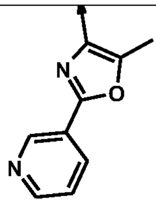	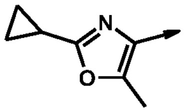	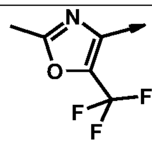	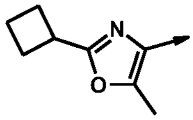
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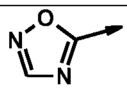	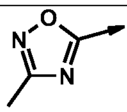	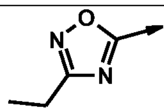	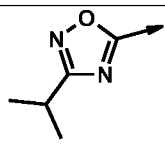	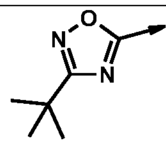
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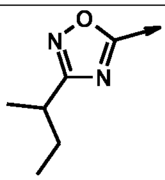	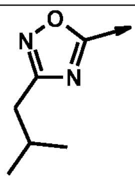	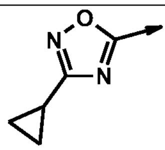	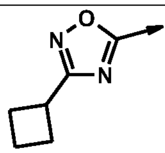	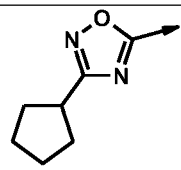
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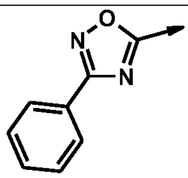	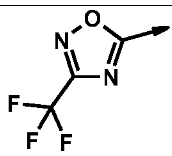	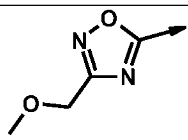	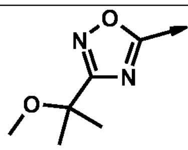	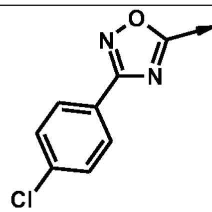
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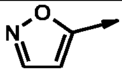	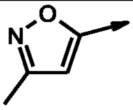	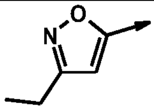	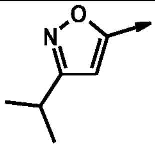	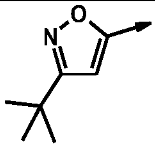
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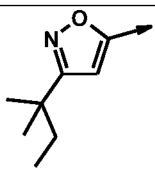	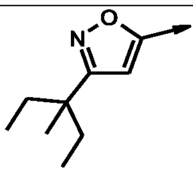	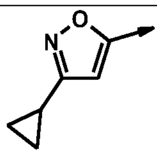	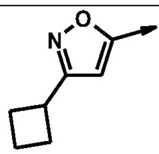	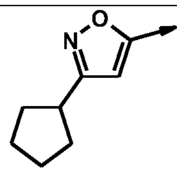
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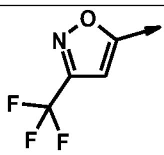	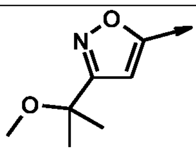	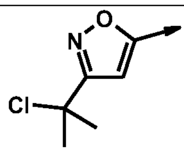	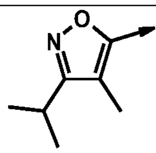	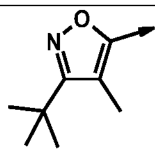
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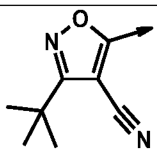	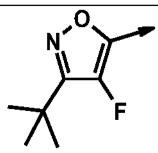	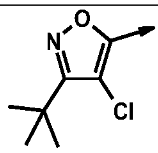	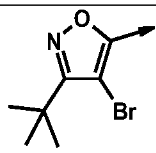	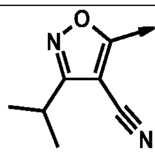
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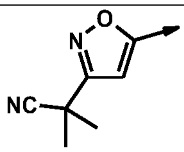	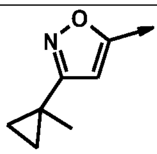	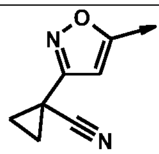	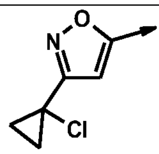	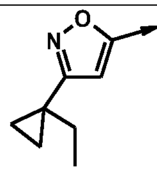
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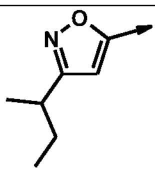	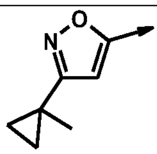	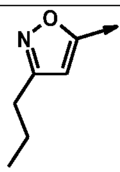	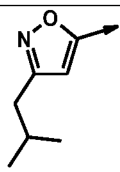	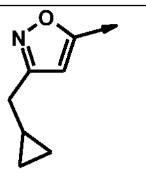
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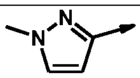
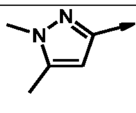
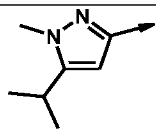
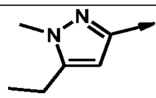
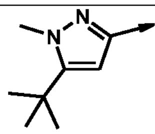
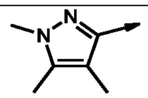
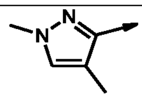
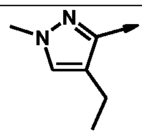
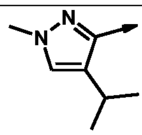
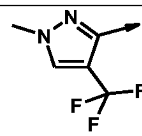
				

Q-13.1	Q-13.2	Q-13.3	Q-13.4	Q-13.5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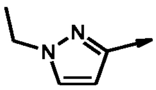	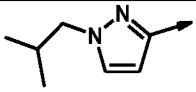	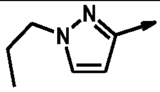	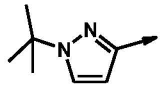	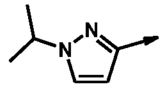
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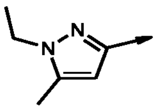	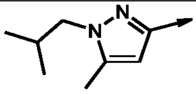	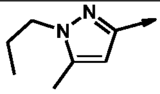	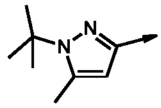	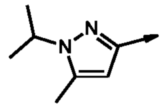
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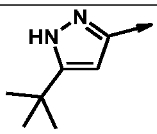	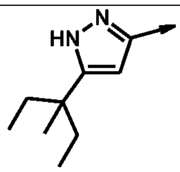	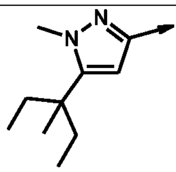	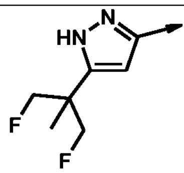	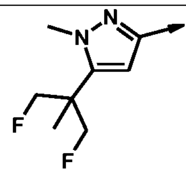
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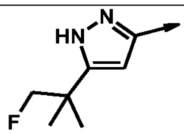	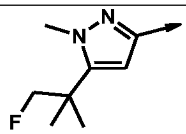	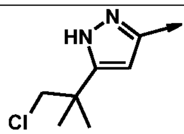	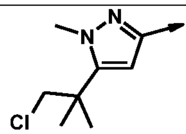	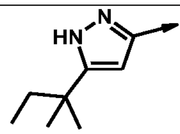
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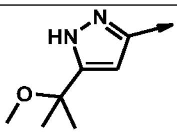	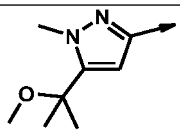	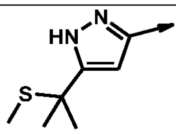	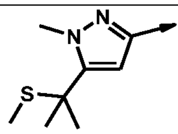	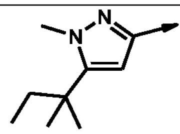
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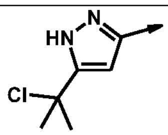
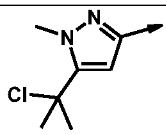
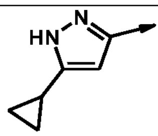
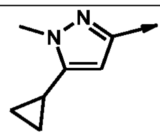
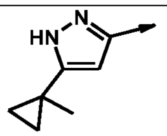
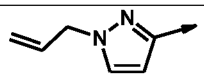
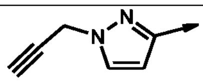
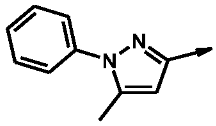
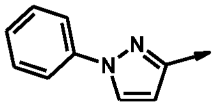
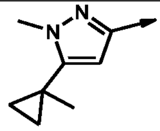
				
Q-13.36	Q-13.37	Q-13.38	Q-13.39	Q-13.40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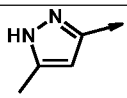	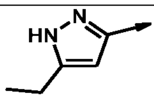	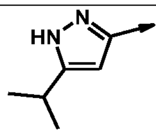	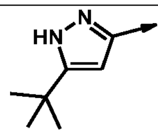	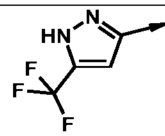
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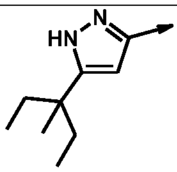
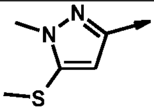
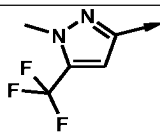
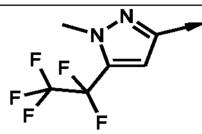
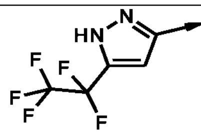
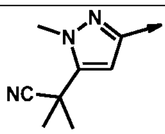
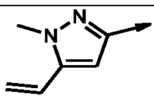
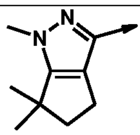
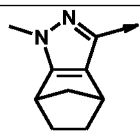
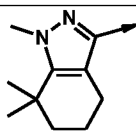
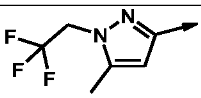
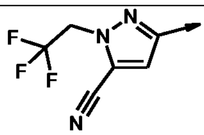
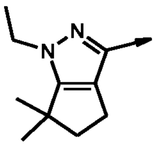
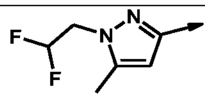
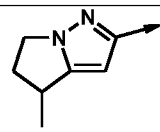
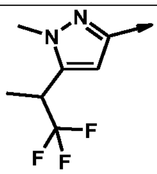
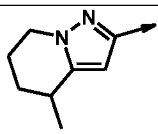
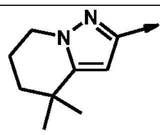
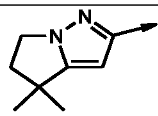
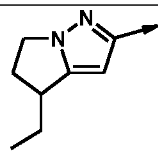
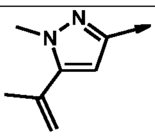
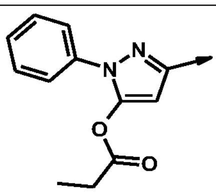
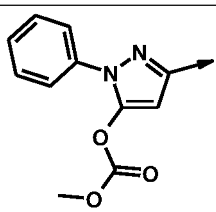
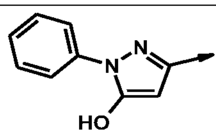
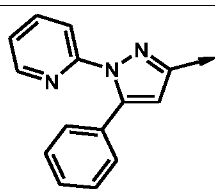
				
Q-13.46	Q-13.47	Q-13.48	Q-13.49	Q-13.50

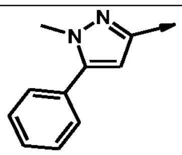
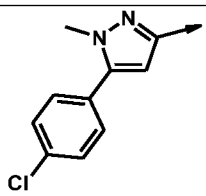
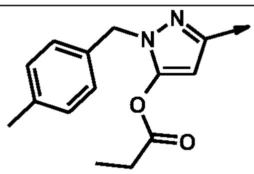
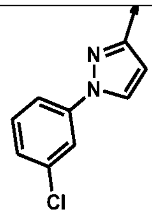
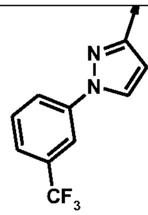
				
Q-13.51	Q-13.52	Q-13.53	Q-13.54	Q-13.55

				
Q-13.56	Q-13.57	Q-13.58	Q-13.59	Q-13.60

				
Q-13.61	Q-13.62	Q-13.63	Q-13.64	Q-13.65

Q-13.66	Q-13.67	Q-13.68	Q-13.69	Q-13.70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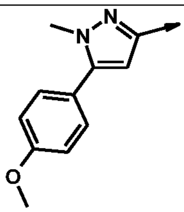	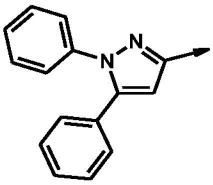	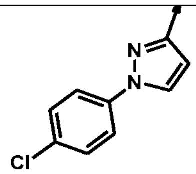	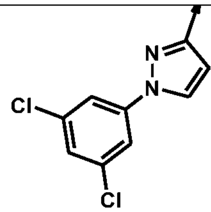	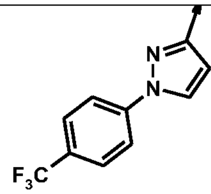
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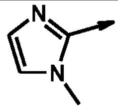
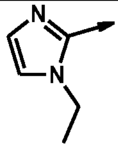
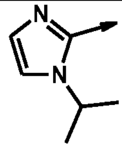
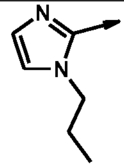
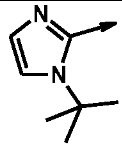
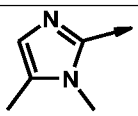
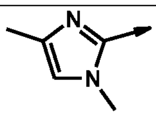
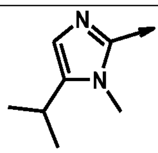
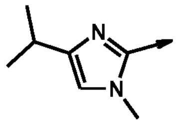
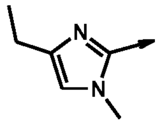
				
Q-14.1	Q-14.2	Q-14.3	Q-14.4	Q-14.5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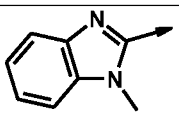	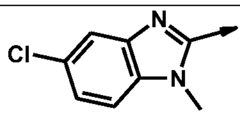	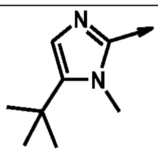	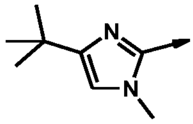	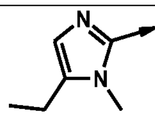
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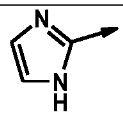	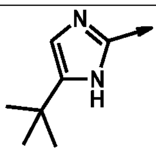	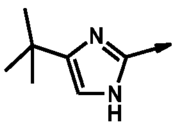	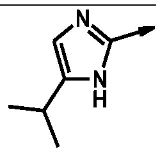	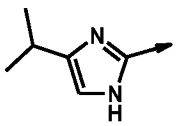
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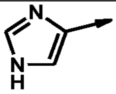
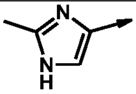
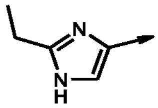
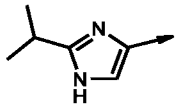
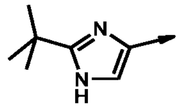
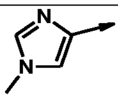
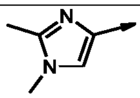
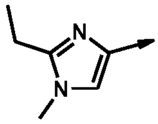
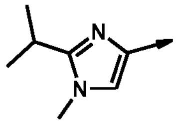
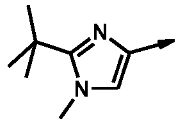
				
Q-15.1	Q-15.2	Q-15.3	Q-15.4	Q-15.5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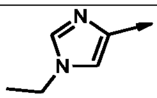
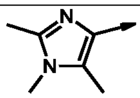
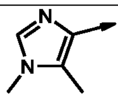
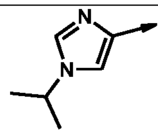
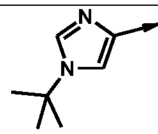
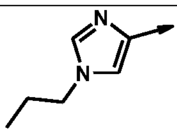
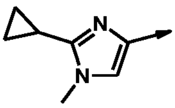
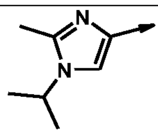
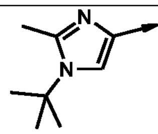
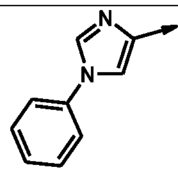
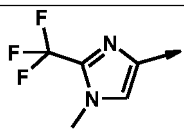
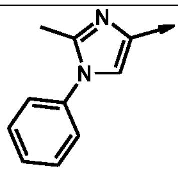
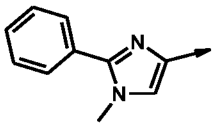
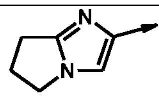
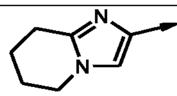
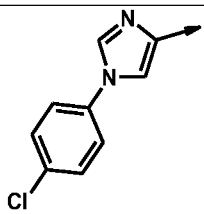
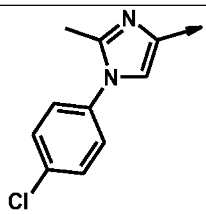
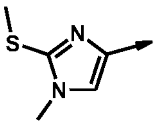
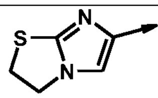
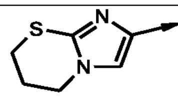
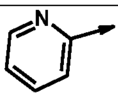
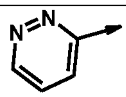
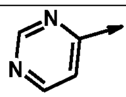
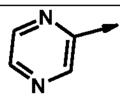
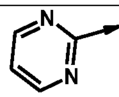
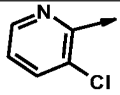
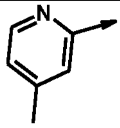
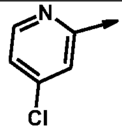
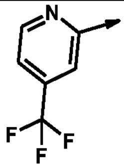
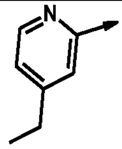
				
Q-15.11	Q-15.12	Q-15.13	Q-15.14	Q-15.15

				
Q-15.16	Q-15.17	Q-15.18	Q-15.19	Q-15.20

				
Q-15.21	Q-15.22	Q-15.23	Q-15.24	Q-15.25

				
Q-15.26	Q-15.27	Q-15.28	Q-15.29	Q-15.30

				
Q-16.1	Q-16.2	Q-16.3	Q-16.4	Q-16.5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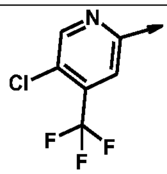	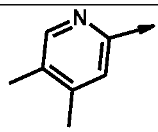	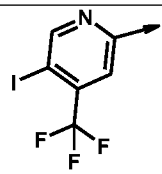	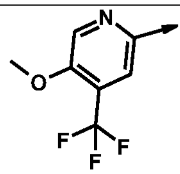	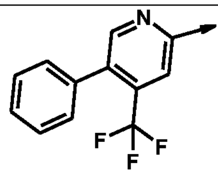
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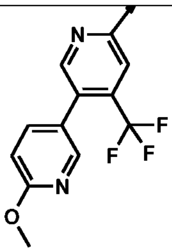	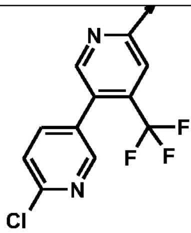	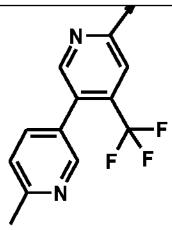	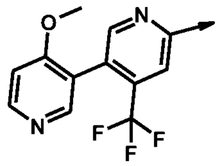	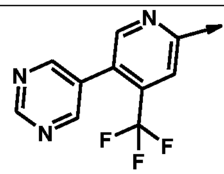
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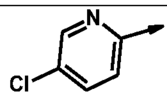	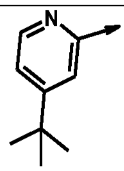	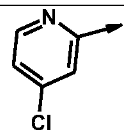	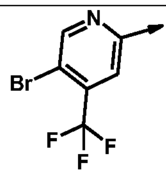	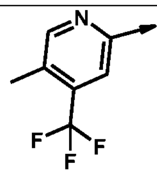
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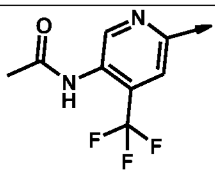	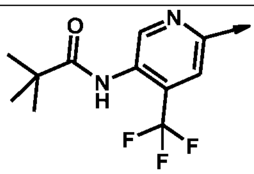	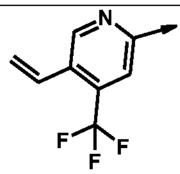	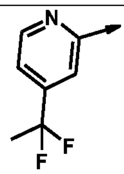	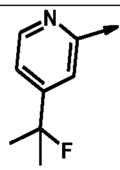
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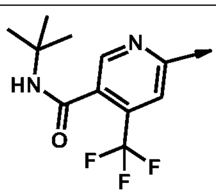	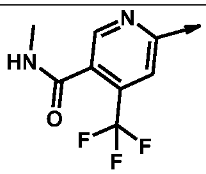	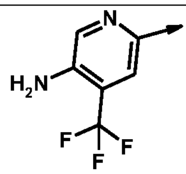	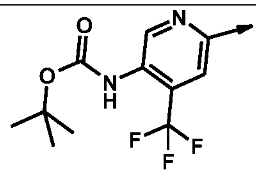	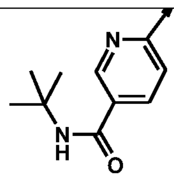
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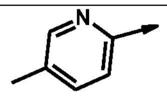	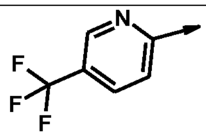	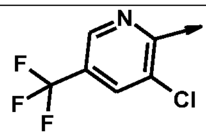	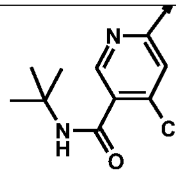	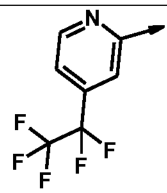
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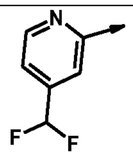	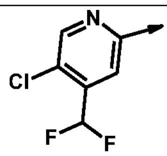	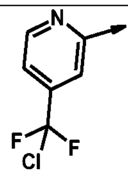	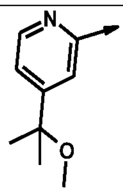	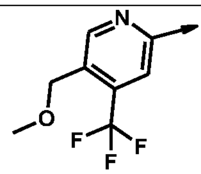
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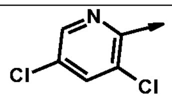	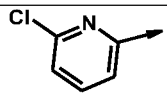	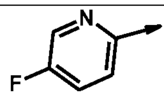	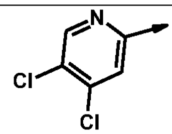	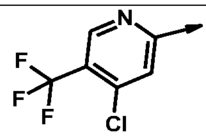
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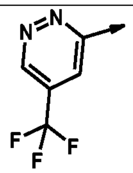	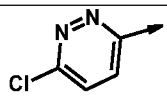	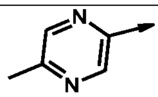	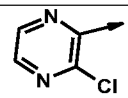	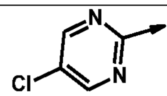
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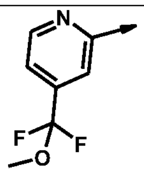	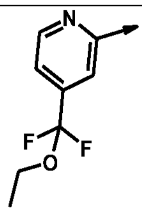	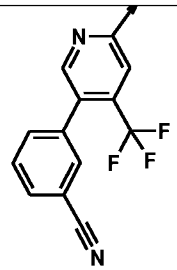	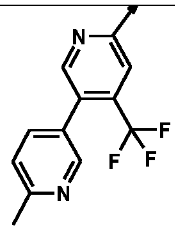	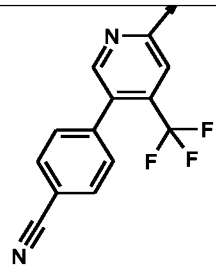
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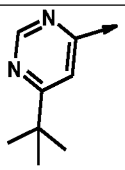	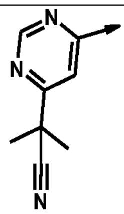	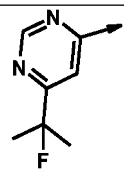	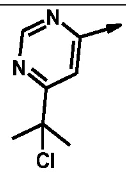	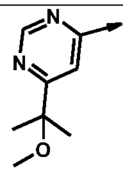
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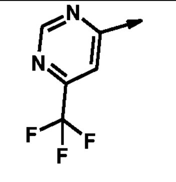
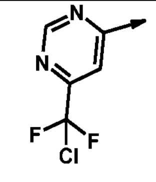
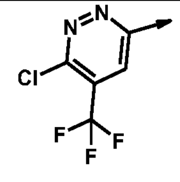
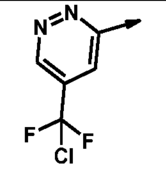
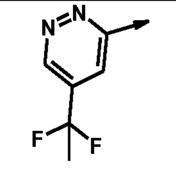
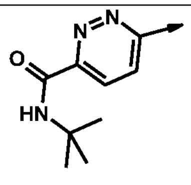
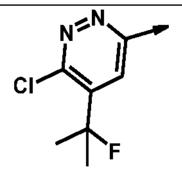
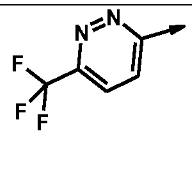
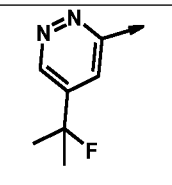
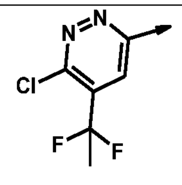
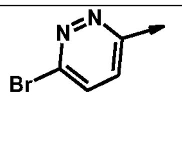
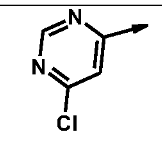
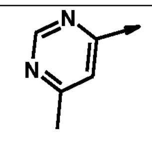
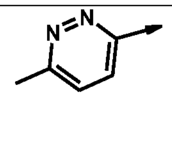
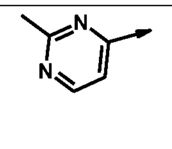
				
Q-16.66	Q-16.67	Q-16.68	Q-16.69	Q-16.70

				
Q-16.71	Q-16.72	Q-16.73	Q-16.74	Q-16.75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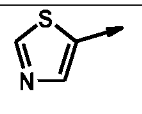	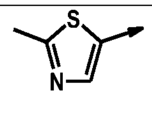	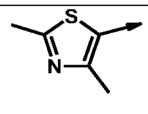	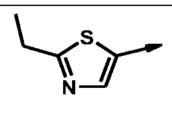	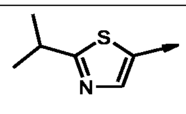
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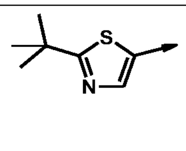	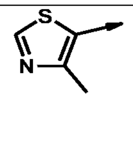	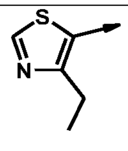	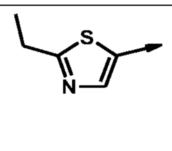	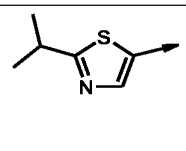
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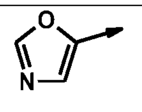	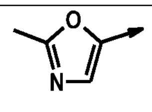	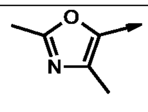	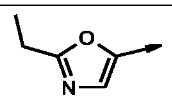	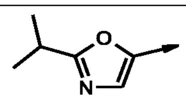
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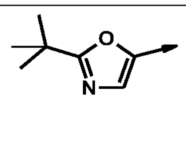	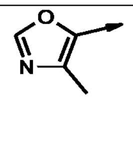	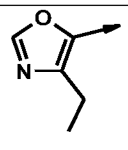	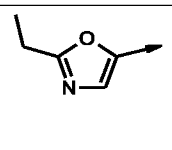	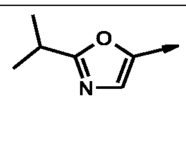
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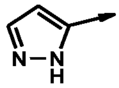	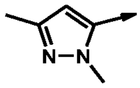	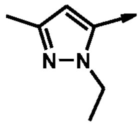	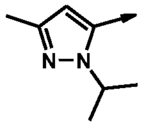	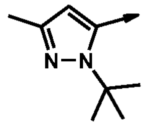
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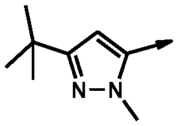	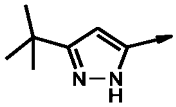	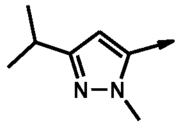	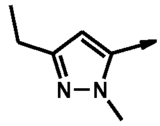	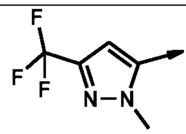
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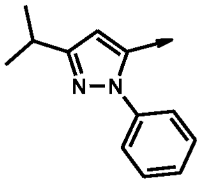	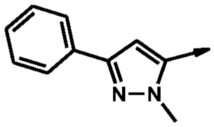	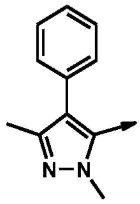	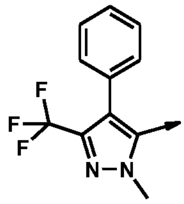	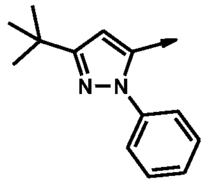
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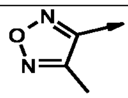	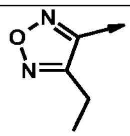	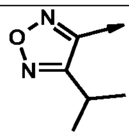	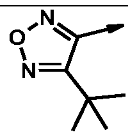	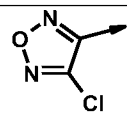
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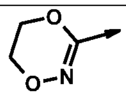	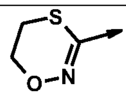	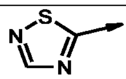	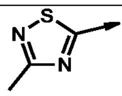	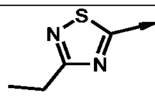
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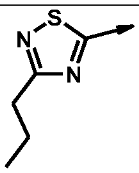	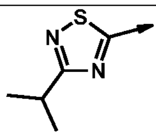	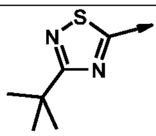	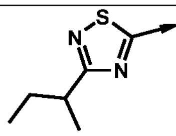	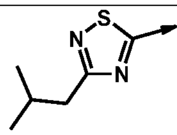
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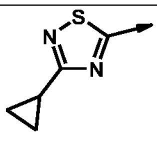	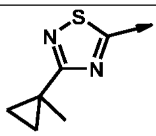	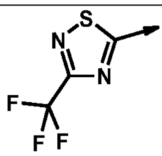	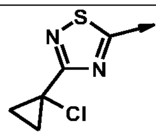	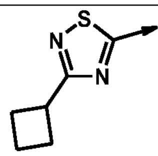
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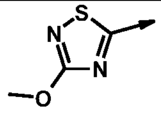	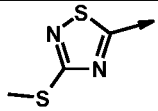	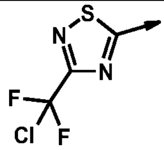	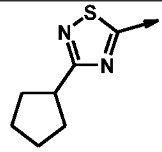	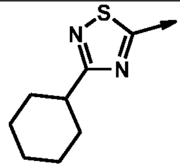
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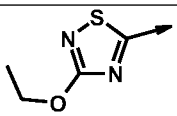
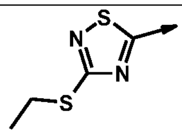
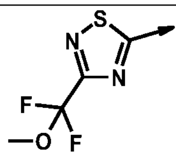
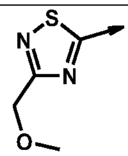
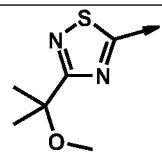
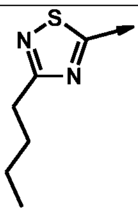
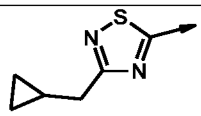
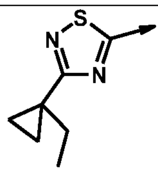
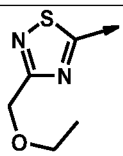
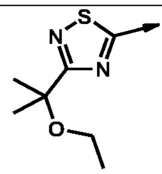
				
Q-23.19	Q-23.20	Q-23.21	Q-23.22	Q-23.23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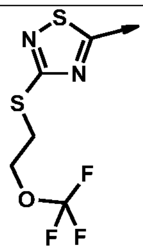	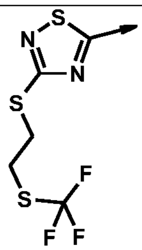	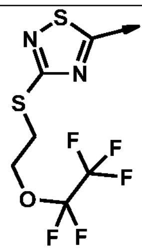	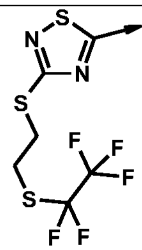	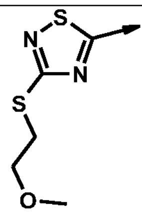
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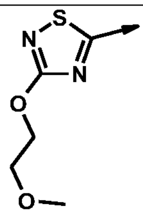	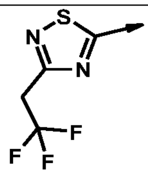	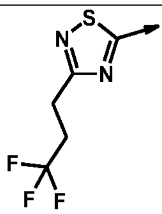	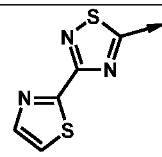	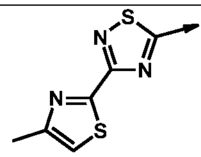
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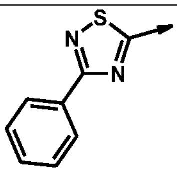	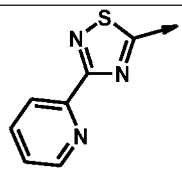	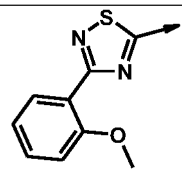	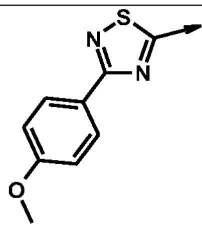	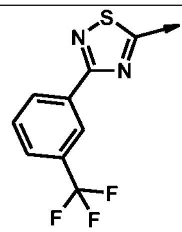

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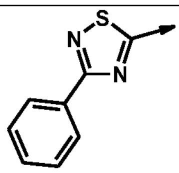	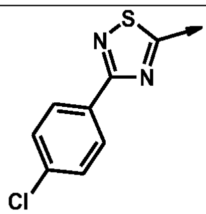	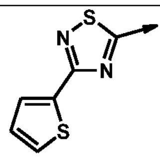	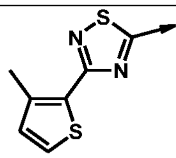	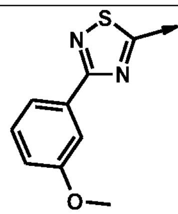
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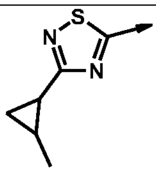	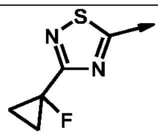	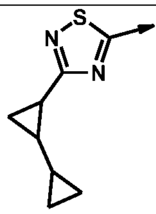	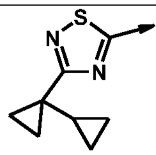	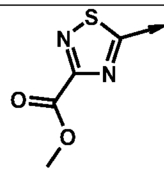
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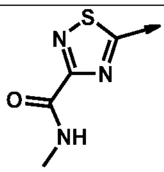	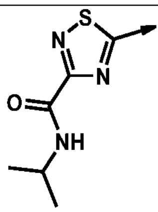	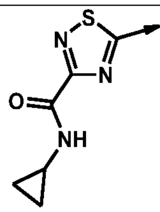	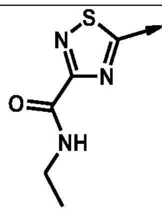	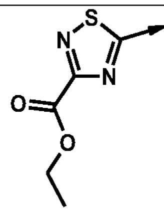
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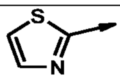	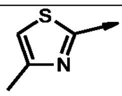	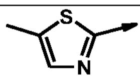	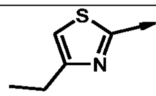	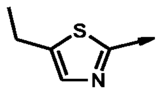
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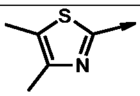
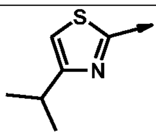
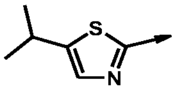
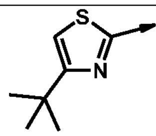
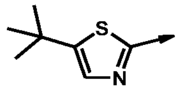
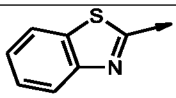
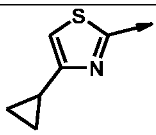
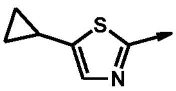
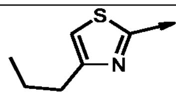
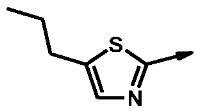
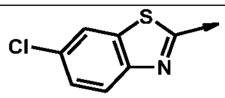
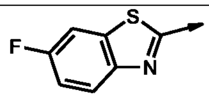
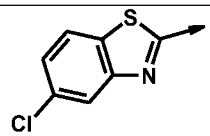
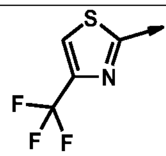
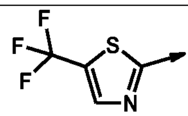
				
Q-24.6	Q-24.7	Q-24.8	Q-24.9	Q-24.10

				
Q-24.11	Q-24.12	Q-24.13	Q-24.14	Q-24.15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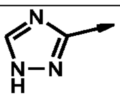
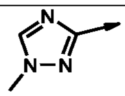
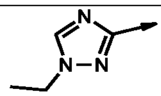
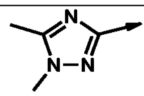
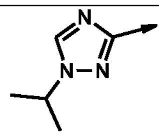
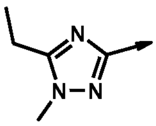
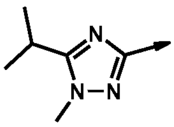
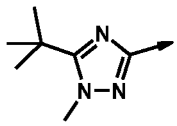
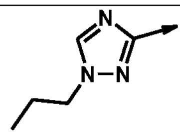
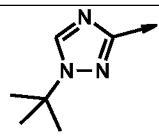
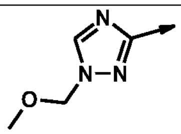
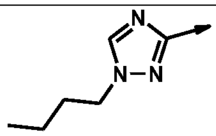
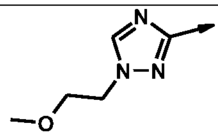
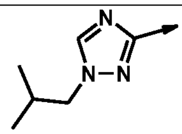
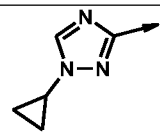
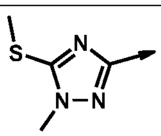
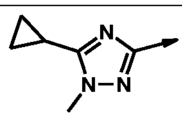
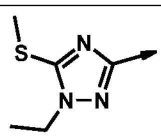
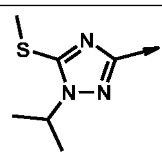
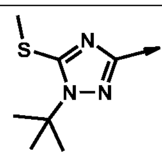
				
Q-25.1	Q-25.2	Q-25.3	Q-25.4	Q-25.5

				
Q-25.6	Q-25.7	Q-25.8	Q-25.9	Q-25.10

				
Q-25.11	Q-25.12	Q-25.13	Q-25.14	Q-25.15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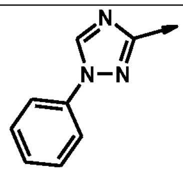	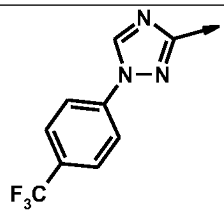	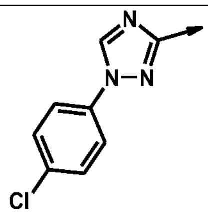	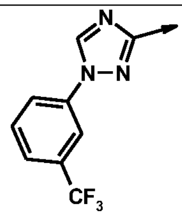	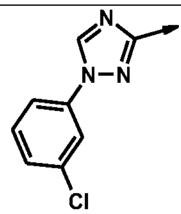
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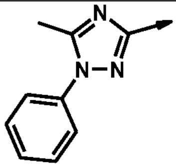	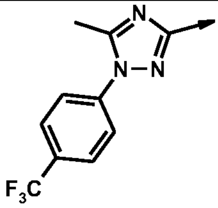	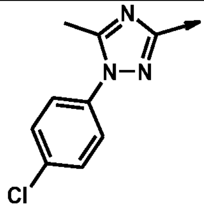	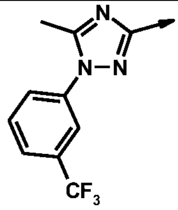	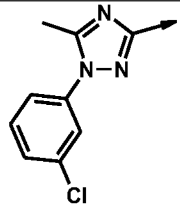
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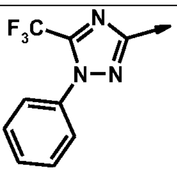	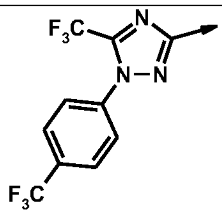	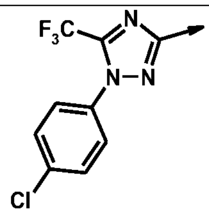	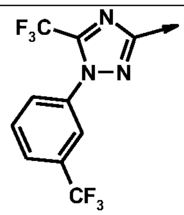	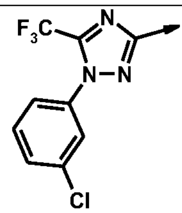
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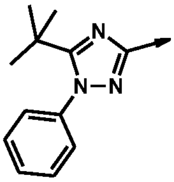	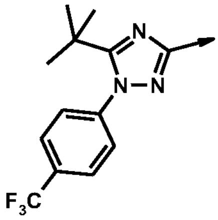	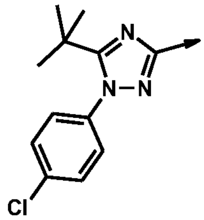	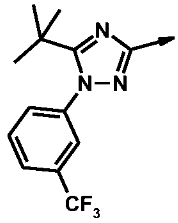	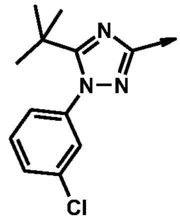
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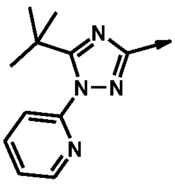	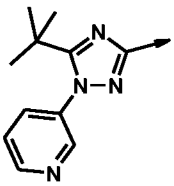	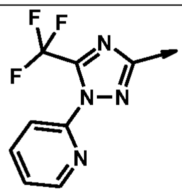	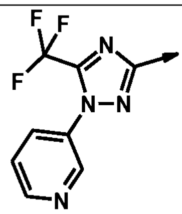	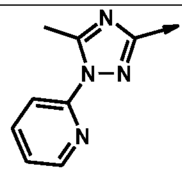
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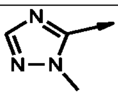	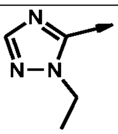	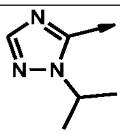	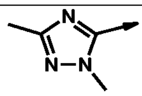	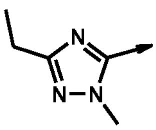
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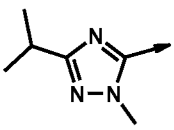	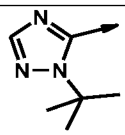	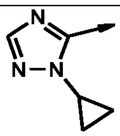	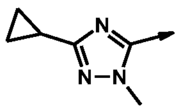	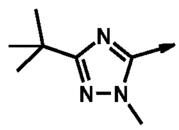
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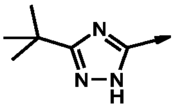
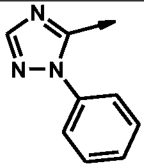
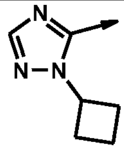
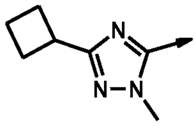
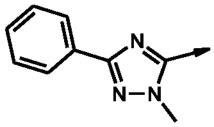
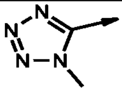
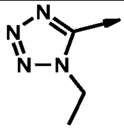
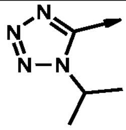
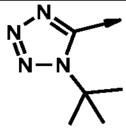
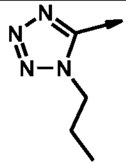
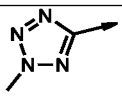
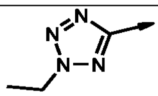
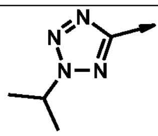
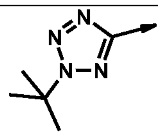
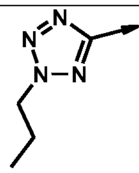
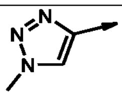
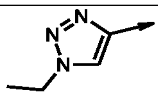
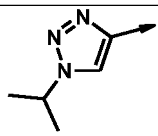
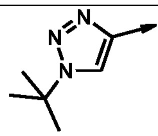
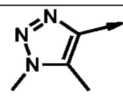
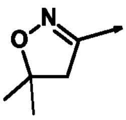
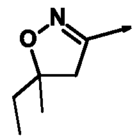
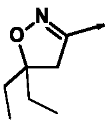
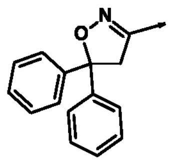
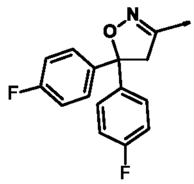
				
Q-26.11	Q-26.12	Q-26.13	Q-26.14	Q-26.15

				
Q-27.1	Q-27.2	Q-27.3	Q-27.4	Q-27.5

				
Q-28.1	Q-28.2	Q-28.3	Q-28.4	Q-28.5

				
Q-29.1	Q-29.2	Q-29.3	Q-29.4	Q-29.5

				
Q-30.1	Q-30.2	Q-30.3	Q-30.4	Q-30.5

The invention particularly especially provides compounds of the general formula (I) in which

R^1 represents hydrogen, methyl, ethyl, n-propyl, 1-methylethyl, n-butyl, 1-methylprop-1-yl, 2-methylprop-1-yl, 1,1-dimethyleth-1-yl, n-pentyl, 1-methylbut-1-yl, 2-methylbut-1-yl, 3-methylbut-1-yl, 1,1-dimethylprop-1-yl, 1,2-dimethylprop-1-yl, 2,2-dimethylprop-1-yl, 1-ethylprop-1-yl, n-hexyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1,1-dimethylbutyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 3,3-dimethylbutyl, 1-ethylbutyl, 2-ethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-

1-methylpropyl, 1-ethyl-2-methylpropyl, trifluoromethyl, difluoromethyl, 2,2-difluoroethyl, 2,2,2-trifluoroethyl, 3,3,3-trifluoroprop-1-yl, 3,3,3-trifluoroprop-2-yl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, adamantan-1-yl, adamantan-2-yl, 1-methylcyclopropyl, 2-methylcyclopropyl, 2,2-dimethylcyclopropyl, 2,3-dimethylcyclopropyl, 1-cyanocyclopropyl, 2-cyanocyclopropyl, 1-methylcyclobutyl, 2-methylcyclobutyl, 3-methylcyclobutyl, 1-cyanocyclobutyl, 2-cyanocyclobutyl, 3-cyanocyclobutyl, 1-allylcyclopropyl, 1-vinylcyclobutyl, 1-vinylcyclopropyl, 1-ethylcyclopropyl, 1-methylcyclohexyl, 2-methylcyclohexyl, 3-methylcyclohexyl, 1-methoxycyclohexyl, 2-methoxycyclohexyl, 3-methoxycyclohexyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl, phenyl, p-F-phenyl, m-F-phenyl, o-F-phenyl, p-Cl-phenyl, m-Cl-phenyl, o-Cl-phenyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyrimidin-2-yl, pyrimidin-4-yl, thiophen-2-yl, thiophen-3-yl, furan-2-yl, furan-3-yl, tetrahydrofuran-2-yl, tetrahydrofuran-3-yl, benzyl, p-Cl-benzyl, p-F-benzyl, p-methoxybenzyl, p-methylbenzyl, p-trifluoromethylbenzyl, p-nitrobenzyl, m-Cl-benzyl, m-F-benzyl, m-methoxybenzyl, m-methylbenzyl, o-Cl-benzyl, o-F-benzyl, o-methoxybenzyl, o-methylbenzyl, 1-phenyleth-1-yl, 2-phenyleth-1-yl, 1-(o-chlorophenyl)eth-1-yl, 1-(o-fluorophenyl)eth-1-yl, 1-(o-methylphenyl)eth-1-yl, 1-(o-bromophenyl)eth-1-yl, 1-(o-iodophenyl)eth-1-yl, pyridin-2-ylmethyl, pyridin-3-ylmethyl, pyridin-4-ylmethyl, pyrimidin-2-ylmethyl, pyrimidin-4-ylmethyl, tetrahydrofuran-2-ylmethyl, o-cyanophenylmethyl, m-cyanophenylmethyl, p-cyanophenylmethyl, cyanomethyl, cyanoethyl, methoxycarbonyl, ethoxycarbonyl, n-propyloxycarbonyl, isopropyloxycarbonyl, tert-butyloxycarbonyl, benzyloxycarbonyl, allyloxycarbonyl, methylcarbonyl, ethylcarbonyl, n-propylcarbonyl, isopropylcarbonyl, n-butylcarbonyl, 1-methylprop-1-ylcarbonyl, 2-methylprop-1-ylcarbonyl, 1,1-dimethyleth-1-ylcarbonyl, phenylcarbonyl, methylaminocarbonyl, dimethylaminocarbonyl, ethylaminocarbonyl, n-propylaminocarbonyl, isopropylaminocarbonyl, n-butylaminocarbonyl, tert-butylaminocarbonyl, benzylaminocarbonyl, methoxycarbonylmethyl, ethoxycarbonylmethyl, tert-butyloxycarbonylmethyl, benzyloxycarbonylmethyl, methoxycarbonylethyl, ethoxycarbonylethyl, tert-butyloxycarbonylmethyl, benzyloxycarbonylmethyl, methylcarbonyloxymethyl, ethylcarbonyloxymethyl, n-propylcarbonyloxymethyl, 1-methylethylcarbonyloxymethyl, 1,1-dimethylethylcarbonyloxymethyl, hydroxycarbonylmethyl, hydroxycarbonylethyl, hydroxycarbonyl-n-propyl, methoxy, ethoxy, n-propyloxy, isopropyloxy, methoxymethyl, ethoxymethyl, n-propyloxymethyl, isopropyloxymethyl, n-butyloxymethyl, methoxyethyl, ethoxyethyl, n-propyloxyethyl, isopropyloxyethyl, methoxy-n-propyl, ethoxy-n-propyl, methoxy-n-butyl, amino, dimethylamino, methyl(ethyl)amino, diethylamino, cyanomethyl, prop-2-yn-1-yl,

R^2 and R^9 independently of one another represent hydrogen, fluorine, methyl, ethyl, n-propyl, isopropyl, n-butyl, 1-methylprop-1-yl, 2-methylprop-1-yl, 1,1-dimethyleth-1-yl, trifluoromethyl, difluoromethyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, methoxymethyl, ethoxymethyl, methoxyethyl, ethoxyethyl, methoxy, ethoxy, n-propyloxy, isopropyloxy, trifluoromethoxy, difluoromethoxy, methylthio, ethylthio, trifluoromethylthio, dimethylamino, methylamino, diethylamino, methyl(ethyl)amino, or

R^1 and R^2 together with the nitrogen atom or carbon atom to which they are respectively attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, or

R^2 and R^9 together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

R^3 represents hydroxy, hydrothio, fluorine, chlorine, bromine, iodine, methoxy, ethoxy, n-propyloxy, 1-methylethoxy, n-butyloxy, 1-methylpropyloxy, 2-methylpropyloxy, 1,1-dimethylethoxy, n-pentyloxy, 1-methylbutyloxy, 2-methylbutyloxy, 3-methylbutyloxy, 1,1-dimethylpropyloxy, 1,2-dimethylpropyloxy, 2,2-dimethylpropyloxy, 1-ethylpropyloxy, n-hexyloxy, 1-methylpentyloxy, 2-methylpentyloxy, 3-methylpentyloxy, 4-methylpentyloxy, 1,1-dimethylbutyloxy, 1,2-dimethylbutyloxy, 1,3-dimethylbutyloxy, 2,2-dimethylbutyloxy, 2,3-dimethylbutyloxy, 3,3-dimethylbutyloxy, 1-ethylbutyloxy, 2-ethylbutyloxy, 1,1,2-trimethylpropyloxy, 1,2,2-trimethylpropyloxy, 1-ethyl-1-methylpropyloxy, 1-ethyl-2-methylpropyloxy, cyclopropylmethoxy, cyclobutylmethoxy, cyclopentylmethoxy, cyclohexylmethoxy, benzyloxy, p-chlorophenylmethoxy, m-chlorophenylmethoxy, o-chlorophenylmethoxy, p-methoxyphenylmethoxy, p-nitrophenylmethoxy, methoxymethoxy, methoxyethoxy, methoxy-n-propyloxy, methoxy-n-butyloxy, ethoxymethoxy, ethoxyethoxy, ethoxy-n-propyloxy, ethoxy-n-butyloxy, n-propyloxymethoxy, isopropyloxymethoxy, methylcarbonyloxy, ethylcarbonyloxy, n-propylcarbonyloxy, 1-methylethylcarbonyloxy, n-butylcarbonyloxy, 1-methylprop-1-ylcarbonyloxy, 2-methylprop-1-ylcarbonyloxy, 1,1-dimethyleth-1-ylcarbonyloxy, n-pentylcarbonyloxy, 1-methylbutylcarbonyloxy, 2-methylbutylcarbonyloxy, 3-methylbutylcarbonyloxy, 1,1-dimethylpropylcarbonyloxy, 1,2-dimethylpropylcarbonyloxy, 2,2-dimethylpropylcarbonyloxy, 1-ethylpropylcarbonyloxy, n-hexylcarbonyloxy, 1-methylpentylcarbonyloxy, 2-methylpentylcarbonyloxy, 3-methylpentylcarbonyloxy, 4-methylpentylcarbonyloxy, 1,1-dimethylbutylcarbonyloxy, 1,2-

dimethylbutylcarbonyloxy, 1,3-dimethylbutylcarbonyloxy, 2,2-dimethylbutylcarbonyloxy, 2,3-dimethylbutylcarbonyloxy, 3,3-dimethylbutylcarbonyloxy, 1-ethylbutylcarbonyloxy, 2-ethylbutylcarbonyloxy, 1,1,2-trimethylpropylcarbonyloxy, 1,2,2-trimethylpropylcarbonyloxy, 1-ethyl-1-methylpropylcarbonyloxy, 1-ethyl-2-methylpropylcarbonyloxy, phenylcarbonyloxy, p-chlorophenylcarbonyloxy, m-chlorophenylcarbonyloxy, o-chlorophenylcarbonyloxy, p-fluorophenylcarbonyloxy, m-fluorophenylcarbonyloxy, o-fluorophenylcarbonyloxy, benzylcarbonyloxy, thiophen-2-ylcarbonyloxy, furan-2-ylcarbonyloxy, cyclopropylcarbonyloxy, cyclobutylcarbonyloxy, cyclopentylcarbonyloxy, cyclohexylcarbonyloxy, 1-fluorocycloprop-1-ylcarbonyloxy, 1-chlorocycloprop-1-ylcarbonyloxy, 1-cyanocycloprop-1-ylcarbonyloxy, 1-methylcycloprop-1-ylcarbonyloxy, 1-trifluoromethylcycloprop-1-ylcarbonyloxy, adamantylcarbonyloxy, trifluoromethylcarbonyloxy, difluoromethylcarbonyloxy, methoxycarbonyloxy, ethoxycarbonyloxy, n-propyloxycarbonyloxy, isopropyloxycarbonyloxy, n-butyloxycarbonyloxy, 1,1-dimethylethyloxycarbonyloxy, 2,2-dimethylpropyloxycarbonyloxy, benzyloxycarbonyloxy, allyloxycarbonyloxy, cyclopropyloxycarbonyloxy, cyclobutyloxycarbonyloxy, cyclopentyloxycarbonyloxy, cyclohexyloxycarbonyloxy, cyclopropylmethyloxycarbonyloxy, cyclobutylmethyloxycarbonyloxy, cyclopentylmethyloxycarbonyloxy, cyclohexylmethyloxycarbonyloxy, 3,3,3-trifluoroethyloxycarbonyloxy, 2,2-difluoroethyloxycarbonyloxy, pyridin-2-ylcarbonyloxy, pyridin-3-ylcarbonyloxy, pyridin-4-ylcarbonyloxy, 4-trifluoromethylpyridin-3-ylcarbonyloxy, allylcarbonyloxy, methylsulfonyloxy, ethylsulfonyloxy, n-propylsulfonyloxy, 1-methylethylsulfonyloxy, cyclopropylsulfonyloxy, cyclobutylsulfonyloxy, cyclopentylsulfonyloxy, cyclohexylsulfonyloxy, phenylsulfonyloxy, p-chlorophenylsulfonyloxy, m-chlorophenylsulfonyloxy, o-chlorophenylsulfonyloxy, p-fluorophenylsulfonyloxy, m-fluorophenylsulfonyloxy, o-fluorophenylsulfonyloxy, p-methoxyphenylsulfonyloxy, m-methoxyphenylsulfonyloxy, o-methoxyphenylsulfonyloxy, p-methylphenylsulfonyloxy, m-methylphenylsulfonyloxy, o-methylphenylsulfonyloxy,

R^6 represents hydrogen,

R^{14} and R^{15} independently of one another represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, fluorine, or

R^9 and R^{15} together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, W represents oxygen

and

Q represents one of the specific moieties Q-1.1 to Q-30.5 above, particular preference being given to the radicals Q-8.4, Q-8.7, Q-8.8, Q-8.9, Q-8.16, Q-8.22, Q-12.5, Q-13.5, Q-16.9, Q-16.11, Q-16.22, Q-16.24, Q-16.61, Q-16.66 and Q-30.1 shown in the table above.

The definitions of radicals listed above in general terms or within areas of preference apply both to the end products of the formula (I) and correspondingly to the starting materials or intermediates required for preparation in each case. These radical definitions can be combined with one another as desired, i.e. including combinations between the given preferred ranges.

Primarily for reasons of higher herbicidal activity, better selectivity and/or better producibility, compounds of the abovementioned formula (I) according to the invention or their salts or their use according to the invention are of particular interest in which individual radicals have one of the preferred meanings already specified or specified below, or in particular those in which one or more of the preferred meanings already specified or specified below occur in combination.

With regard to the compounds according to the invention, the terms used above and further below will be elucidated. These are familiar to the person skilled in the art and especially have the definitions elucidated hereinafter:

Unless defined differently, names of chemical groups are generally to be understood such that attachment to the skeleton or the remainder of the molecule is via the structural element of the relevant chemical group mentioned last, i.e. for example in the case of (C_2-C_8)-alkenyloxy via the oxygen atom and in the case of heterocyclyl-(C_1-C_8)-alkyl or $R^{12}O(O)C$-(C_1-C_8)-alkyl in each case via the carbon atom of the alkyl group. In a composite chemical group, for example heterocyclyl-(C_1-C_8)-alkyl or $R^{12}O(O)C$-(C_1-C_8)-alkyl, the term “alkyl” therefore also represents an alkylene group.

According to the invention, "alkylsulfonyl" - alone or as part of a chemical group - refers to straight-chain or branched alkylsulfonyl, preferably having 1 to 8 or 1 to 6 carbon atoms, for example (but not limited to) (C_1-C_6)-alkylsulfonyl such as methylsulfonyl, ethylsulfonyl, propylsulfonyl, 1-methylethylsulfonyl, butylsulfonyl, 1-methylpropylsulfonyl, 2-methylpropylsulfonyl, 1,1-dimethylethylsulfonyl, pentylsulfonyl, 1-methylbutylsulfonyl, 2-methylbutylsulfonyl, 3-methylbutylsulfonyl, 1,1-dimethylpropylsulfonyl, 1,2-dimethylpropylsulfonyl, 2,2-

dimethylpropylsulfonyl, 1-ethylpropylsulfonyl, hexylsulfonyl, 1-methylpentylsulfonyl, 2-methylpentylsulfonyl, 3-methylpentylsulfonyl, 4-methylpentylsulfonyl, 1,1-dimethylbutylsulfonyl, 1,2-dimethylbutylsulfonyl, 1,3-dimethylbutylsulfonyl, 2,2-dimethylbutylsulfonyl, 2,3-dimethylbutylsulfonyl, 3,3-dimethylbutylsulfonyl, 1-ethylbutylsulfonyl, 2-ethylbutylsulfonyl, 1,1,2-trimethylpropylsulfonyl, 1,2,2-trimethylpropylsulfonyl, 1-ethyl-1-methylpropylsulfonyl and 1-ethyl-2-methylpropylsulfonyl.

According to the invention, "heteroarylsulfonyl" denotes optionally substituted pyridylsulfonyl, pyrimidinylsulfonyl, pyrazinylsulfonyl or optionally substituted polycyclic heteroarylsulfonyl, here in particular optionally substituted quinolinylsulfonyl, for example substituted by fluorine, chlorine, bromine, iodine, cyano, nitro, alkyl, haloalkyl, haloalkoxy, amino, alkylamino, alkylcarbonylamino, dialkylamino or alkoxy groups.

According to the invention, "alkylthio" - alone or as part of a chemical group - denotes straight-chain or branched S-alkyl, preferably having 1 to 8 or 1 to 6 carbon atoms, such as (C_1-C_{10})-, (C_1-C_6)- or (C_1-C_4)-alkylthio, for example (but not limited to) (C_1-C_6)-alkylthio such as methylthio, ethylthio, propylthio, 1-methylethylthio, butylthio, 1-methylpropylthio, 2-methylpropylthio, 1,1-dimethylethylthio, pentylthio, 1-methylbutylthio, 2-methylbutylthio, 3-methylbutylthio, 1,1-dimethylpropylthio, 1,2-dimethylpropylthio, 2,2-dimethylpropylthio, 1-ethylpropylthio, hexylthio, 1-methylpentylthio, 2-methylpentylthio, 3-methylpentylthio, 4-methylpentylthio, 1,1-dimethylbutylthio, 1,2-dimethylbutylthio, 1,3-dimethylbutylthio, 2,2-dimethylbutylthio, 2,3-dimethylbutylthio, 3,3-dimethylbutylthio, 1-ethylbutylthio, 2-ethylbutylthio, 1,1,2-trimethylpropylthio, 1,2,2-trimethylpropylthio, 1-ethyl-1-methylpropylthio and 1-ethyl-2-methylpropylthio.

According to the invention, “alkenylthio” denotes an alkenyl radical bonded via a sulfur atom, alkynylthio denotes an alkynyl radical bonded via a sulfur atom, cycloalkylthio denotes a cycloalkyl radical bonded via a sulfur atom, and cycloalkenylthio denotes a cycloalkenyl radical bonded via a sulfur atom.

According to the invention, “alkylsulfinyl (alkyl-S(=O)-)”, unless defined differently elsewhere, denotes alkyl radicals which are attached to the skeleton via -S(=O)-, such as (C_1-C_{10})-, (C_1-C_6)- or (C_1-C_4)-alkylsulfinyl, for example (but not limited to) (C_1-C_6)-alkylsulfinyl such as methylsulfinyl, ethylsulfinyl, propylsulfinyl, 1-methylethylsulfinyl, butylsulfinyl, 1-methylpropylsulfinyl, 2-methylpropylsulfinyl, 1,1-dimethylethylsulfinyl, pentylsulfinyl, 1-methylbutylsulfinyl, 2-methylbutylsulfinyl, 3-methylbutylsulfinyl, 1,1-dimethylpropylsulfinyl, 1,2-dimethylpropylsulfinyl, 2,2-dimethylpropylsulfinyl, 1-ethylpropylsulfinyl, hexylsulfinyl, 1-methylpentylsulfinyl, 2-methylpentylsulfinyl, 3-methylpentylsulfinyl, 4-methylpentylsulfinyl, 1,1-dimethylbutylsulfinyl, 1,2-

dimethylbutylsulfinyl, 1,3-dimethylbutylsulfinyl, 2,2-dimethylbutylsulfinyl, 2,3-dimethylbutylsulfinyl, 3,3-dimethylbutylsulfinyl, 1-ethylbutylsulfinyl, 2-ethylbutylsulfinyl, 1,1,2-trimethylpropylsulfinyl, 1,2,2-trimethylpropylsulfinyl, 1-ethyl-1-methylpropylsulfinyl and 1-ethyl-2-methylpropylsulfinyl.

Analogously, “alkenylsulfinyl” and “alkynylsulfinyl” are defined in accordance with the invention as alkenyl and alkynyl radicals, respectively, which are attached to the skeleton via -S(=O)-, such as (C_2-C_{10})-, (C_2-C_6)- or (C_2-C_4)-alkenylsulfinyl or (C_3-C_{10})-, (C_3-C_6)- or (C_3-C_4)-alkynylsulfinyl.

Analogously, “alkenylsulfonyl” and “alkynylsulfonyl” are defined in accordance with the invention as alkenyl and alkynyl radicals, respectively, which are attached to the skeleton via -S(=O)$_2$-, such as (C_2-C_{10})-, (C_2-C_6)- or (C_2-C_4)-alkenylsulfonyl or (C_3-C_{10})-, (C_3-C_6)- or (C_3-C_4)-alkynylsulfonyl.

“Alkoxy” denotes an alkyl radical bonded via an oxygen atom, for example (but not limited to) (C_1-C_6)-alkoxy such as methoxy, ethoxy, propoxy, 1-methylethoxy, butoxy, 1-methylpropoxy, 2-methylpropoxy, 1,1-dimethylethoxy, pentoxy, 1-methylbutoxy, 2-methylbutoxy, 3-methylbutoxy, 1,1-dimethylpropoxy, 1,2-dimethylpropoxy, 2,2-dimethylpropoxy, 1-ethylpropoxy, hexoxy, 1-methylpentoxy, 2-methylpentoxy, 3-methylpentoxy, 4-methylpentoxy, 1,1-dimethylbutoxy, 1,2-dimethylbutoxy, 1,3-dimethylbutoxy, 2,2-dimethylbutoxy, 2,3-dimethylbutoxy, 3,3-dimethylbutoxy, 1-ethylbutoxy, 2-ethylbutoxy, 1,1,2-trimethylpropoxy, 1,2,2-trimethylpropoxy, 1-ethyl-1-methylpropoxy and 1-ethyl-2-methylpropoxy. Alkenyloxy denotes an alkenyl radical bonded via an oxygen atom, and alkynyloxy denotes an alkynyl radical bonded via an oxygen atom, such as (C_2-C_{10})-, (C_2-C_6)- or (C_2-C_4)-alkenoxy and (C_3-C_{10})-, (C_3-C_6)- or (C_3-C_4)-alkynoxy.

“Cycloalkyloxy” denotes a cycloalkyl radical bonded via an oxygen atom and cycloalkenyloxy denotes a cycloalkenyl radical bonded via an oxygen atom.

According to the invention, “alkylcarbonyl” (alkyl-C(=O)-), unless defined differently elsewhere, represents alkyl radicals attached to the skeleton via -C(=O)-, such as (C_1-C_{10})-, (C_1-C_6)- or (C_1-C_4)-alkylcarbonyl. Here, the number of the carbon atoms refers to the alkyl radical in the alkylcarbonyl group.

Analogously, “alkenylcarbonyl” and “alkynylcarbonyl”, unless defined differently elsewhere, in accordance with the invention, respectively represent alkenyl and alkynyl radicals attached to the skeleton via -C(=O)-, such as (C_2-C_{10})-, (C_2-C_6)- or (C_2-C_4)-alkenylcarbonyl and (C_2-C_{10})-, (C_2-C_6)- or (C_2-C_4)-alkynylcarbonyl. Here, the number of the carbon atoms refers to the alkenyl or alkynyl radical in the alkenylcarbonyl or alkynylcarbonyl group.

"Alkoxycarbonyl (alkyl-O-C(=O)-)", unless defined differently elsewhere: alkyl radicals attached to the skeleton via -O-C(=O)-, such as (C_1-C_{10})-, (C_1-C_6)- or (C_1-C_4)-alkoxycarbonyl. Here, the number of the carbon atoms refers to the alkyl radical in the alkoxycarbonyl group. Analogously, "alkenyloxycarbonyl" and "alkynyloxycarbonyl", unless defined differently elsewhere, in accordance with the invention, respectively represent alkenyl and alkynyl radicals attached to the skeleton via -O-C(=O)-, such as (C_2-C_{10})-, (C_2-C_6)- or (C_2-C_4)-alkenyloxycarbonyl and (C_3-C_{10})-, (C_3-C_6)- or (C_3-C_4)-alkynyloxycarbonyl. Here, the number of the carbon atoms refers to the alkenyl or alkynyl radical in the alkenoxycarbonyl or alkynyloxycarbonyl group.

According to the invention, the term "alkylcarbonyloxy" (alkyl-C(=O)-O-), unless defined differently elsewhere, represents alkyl radicals attached to the skeleton via the oxygen of a carbonyloxy group (-C(=O)-O-), such as (C_1-C_{10})-, (C_1-C_6)- or (C_1-C_4)-alkylcarbonyloxy. Here, the number of the carbon atoms refers to the alkyl radical in the alkylcarbonyloxy group.

Analogously, "alkenylcarbonyloxy" and "alkynylcarbonyloxy" are defined in accordance with the invention as alkenyl and alkynyl radicals, respectively, attached to the skeleton via the oxygen of (-C(=O)-O-), such as (C_2-C_{10})-, (C_2-C_6)- or (C_2-C_4)-alkenylcarbonyloxy or (C_2-C_{10})-, (C_2-C_6)- or (C_2-C_4)-alkynylcarbonyloxy. Here, the number of the carbon atoms refers to the alkenyl or alkynyl radical in the alkenyl- or alkynylcarbonyloxy group respectively.

In short forms such as $C(O)R^{12}$, $C(O)OR^{12}$, $OC(O)NR^{10}R^{11}$ or $C(O)NR^{10}R^{11}$, the short form O shown in brackets represents an oxygen atom attached to the adjacent carbon atom via a double bond.

In short forms such as $OC(S)OR^{12}$, $OC(S)SR^{13}$, $OC(S)NR^{10}R^{11}$, the short form S shown in brackets represents a sulfur atom attached to the adjacent carbon atom via a double bond.

The term "aryl" denotes an optionally substituted mono-, bi- or polycyclic aromatic system having preferably 6 to 14, especially 6 to 10, ring carbon atoms, for example phenyl, naphthyl, anthryl, phenanthrenyl and the like, preferably phenyl.

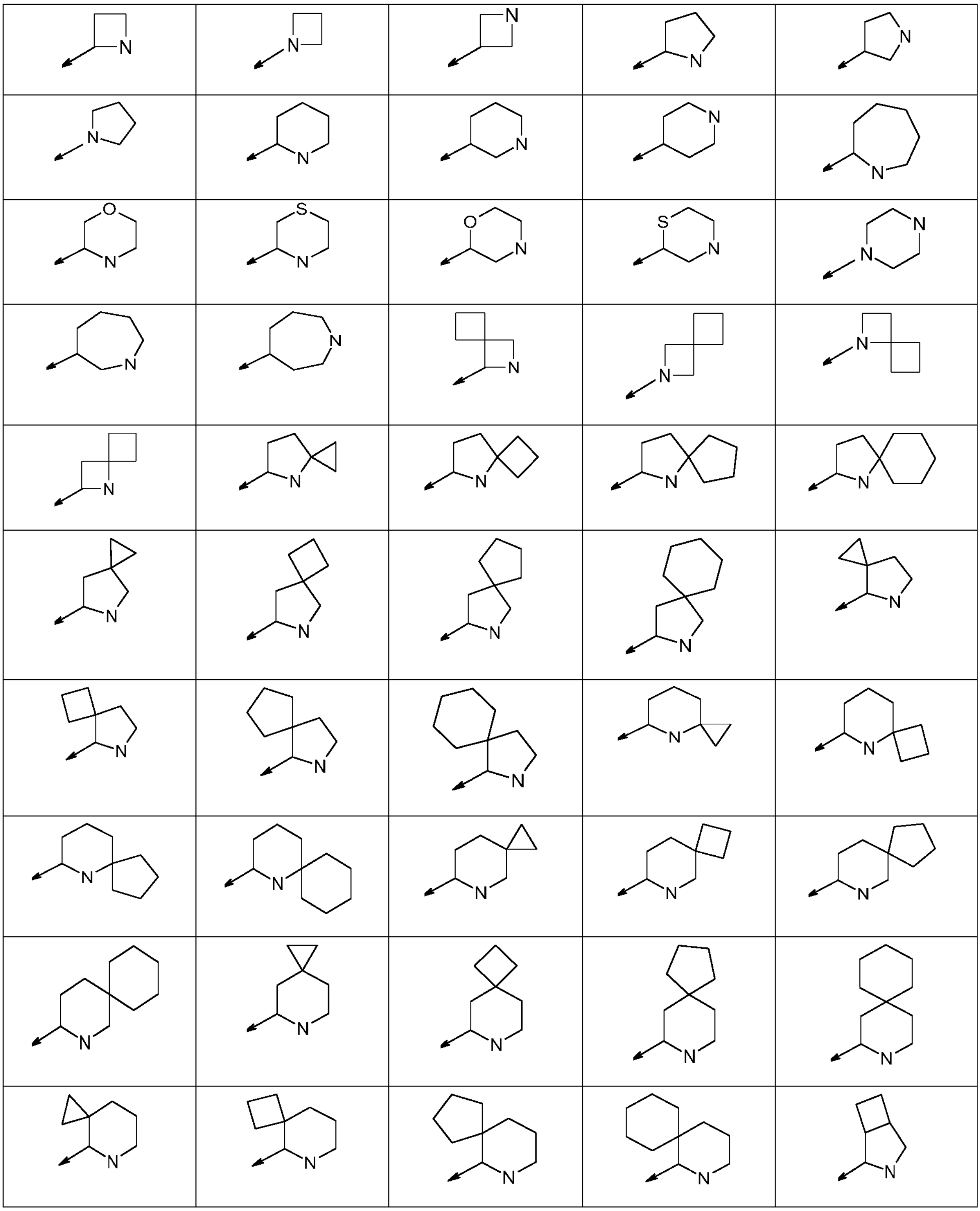
The term "optionally substituted aryl" also includes polycyclic systems, such as tetrahydronaphthyl, indenyl, indanyl, fluorenyl, biphenylyl, where the bonding site is on the aromatic system. In systematic terms, "aryl" is generally also encompassed by the term "optionally substituted phenyl". Preferred aryl substituents here are, for example, hydrogen, halogen, alkyl, cycloalkyl, cycloalkylalkyl, cycloalkenyl, halocycloalkyl, alkenyl, alkynyl, aryl, arylalkyl, arylalkenyl, heteroaryl, heteroarylalkyl, heterocyclyl, heterocyclylalkyl, alkoxyalkyl, alkylthio, haloalkylthio, haloalkyl, alkoxy, haloalkoxy, cycloalkoxy, cycloalkylalkoxy, aryloxy, heteroraryloxy, alkoxyalkoxy, alkynylalkoxy, alkenyloxy, bisalkylaminoalkoxy, tris[alkyl]silyl, bis[alkyl]arylsilyl, bis[alkyl]alkylsilyl, tris[alkyl]silylalkynyl, arylalkynyl, heteroarylalkynyl, alkylalkynyl, cycloalkylalkynyl, haloalkylalkynyl, heterocyclyl-N-alkoxy, nitro, cyano, amino, alkylamino, bisalkylamino, alkylcarbonylamino, cycloalkylcarbonylamino, arylcarbonylamino, alkoxycarbonylamino, alkoxycarbonylalkylamino, arylalkoxycarbonylalkylamino, hydroxycarbonyl, alkoxycarbonyl, aminocarbonyl, alkylaminocarbonyl, cycloalkylaminocarbonyl, bisalkylaminocarbonyl, heteroarylalkoxy, arylalkoxy.

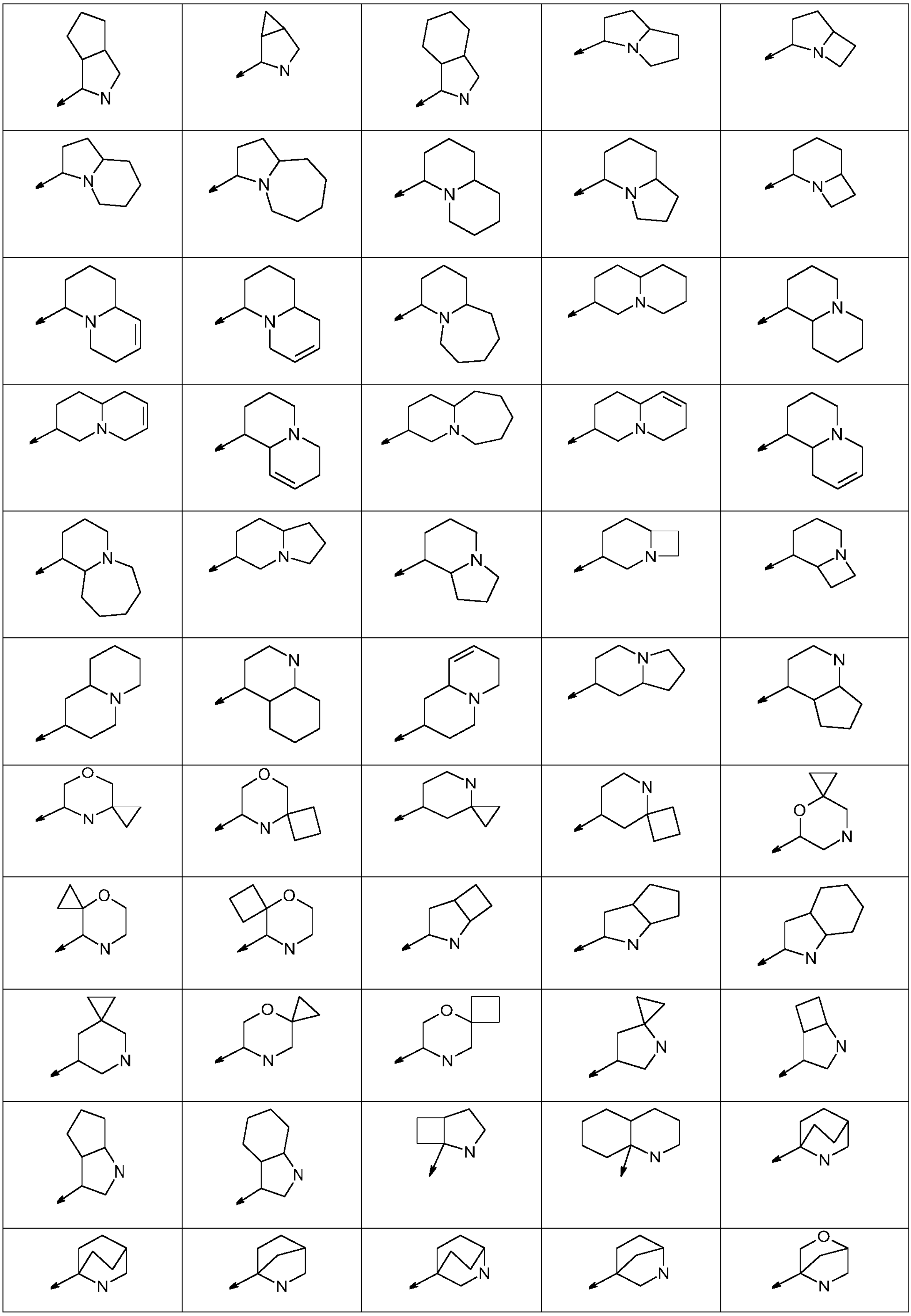
A heterocyclic radical (heterocyclyl) contains at least one heterocyclic ring (=carbocyclic ring in which at least one carbon atom has been replaced by a heteroatom, preferably by a heteroatom from the group of N, O, S, P) which is saturated, unsaturated, partially saturated or heteroaromatic and may be unsubstituted or substituted, in which case the bonding site is localized on a ring atom. If the heterocyclyl radical or the heterocyclic ring is optionally substituted, it may be fused to other carbocyclic or heterocyclic rings. In the case of optionally substituted heterocyclyl, polycyclic systems are also included, for example 8-azabicyclo[3.2.1]octanyl, 8-azabicyclo[2.2.2]octanyl or 1-azabicyclo[2.2.1]heptyl. Optionally substituted heterocyclyl also includes spirocyclic systems, such as, for example, 1-oxa-5-azaspiro[2.3]hexyl. Unless defined differently, the heterocyclic ring preferably contains 3 to 9 ring atoms, especially 3 to 6 ring atoms, and one or more, preferably 1 to 4, especially 1, 2 or 3, heteroatoms in the heterocyclic ring, preferably from the group of N, O and S, but no two oxygen atoms should be directly adjacent, for example with one heteroatom from the group of N, O and S: 1- or 2- or 3-pyrrolidinyl, 3,4-dihydro-2H-pyrrol-2- or 3-yl, 2,3-dihydro-1H-pyrrol-1- or 2- or 3- or 4- or 5-yl; 2,5-dihydro-1H-pyrrol-1- or 2- or 3-yl, 1- or 2- or 3- or 4-piperidinyl; 2,3,4,5-tetrahydropyridin-2- or 3- or 4- or 5-yl or 6-yl; 1,2,3,6-tetrahydropyridin-1- or 2- or 3- or 4- or 5- or 6-yl; 1,2,3,4-tetrahydropyridin-1- or 2- or 3- or 4- or 5- or 6-yl; 1,4-dihydropyridin-1- or 2- or 3- or 4-yl; 2,3-dihydropyridin-2- or 3- or 4- or 5- or 6-yl; 2,5-dihydropyridin-2- or 3- or 4- or 5- or 6-yl, 1- or 2- or 3- or 4-azepanyl; 2,3,4,5-tetrahydro-1H-azepin-1- or 2- or 3- or 4- or 5- or 6- or 7-yl; 2,3,4,7-tetrahydro-1H-azepin-1- or 2- or 3- or 4- or 5- or 6- or 7-yl; 2,3,6,7-tetrahydro-1H-azepin-1- or 2- or 3- or 4-yl; 3,4,5,6-tetrahydro-2H-azepin-2- or 3- or 4- or 5- or 6- or 7-yl; 4,5-dihydro-1H-azepin-1- or 2- or 3- or 4-yl; 2,5-dihydro-1H-azepin-1- or -2- or 3- or 4- or 5- or 6- or 7-yl; 2,7-dihydro-1H-azepin-1- or -2- or 3- or 4-yl; 2,3-dihydro-1H-azepin-1- or -2- or 3- or 4- or 5- or 6- or 7-yl; 3,4-dihydro-2H-azepin-2- or 3- or 4- or 5- or 6- or 7-yl; 3,6-dihydro-2H-azepin-2- or 3- or 4- or 5- or 6- or 7-yl; 5,6-dihydro-2H-azepin-2- or 3- or 4- or 5- or 6- or 7-yl; 4,5-dihydro-3H-azepin-2- or 3- or 4- or 5- or 6- or 7-yl; 1H-azepin-1- or -2- or 3- or 4- or 5- or 6- or 7-yl; 2H-azepin-2- or 3- or 4- or 5- or 6- or 7-yl; 3H-azepin-2- or 3- or 4- or 5- or 6- or 7-yl; 4H-azepin-2- or 3- or 4- or 5- or 6- or 7-yl, 2- or 3-oxolanyl (= 2- or 3-tetrahydrofuranyl); 2,3-dihydrofuran-2- or 3- or 4- or 5-yl; 2,5-dihydrofuran-2- or 3-yl, 2- or 3- or 4-oxanyl (= 2- or 3- or 4-tetrahydropyranyl); 3,4-dihydro-2H-pyran-2- or 3- or 4- or 5- or 6-yl; 3,6-dihydro-2H-pyran-2- or 3- or 4- or 5- or 6-yl; 2H-pyran-2- or 3- or 4- or 5- or 6-yl; 4H-pyran-2- or 3- or 4-yl, 2- or 3- or 4-oxepanyl; 2,3,4,5-tetrahydrooxepin-2- or 3- or 4- or 5- or 6- or 7-yl; 2,3,4,7-

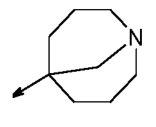
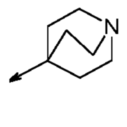
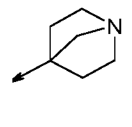
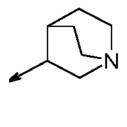
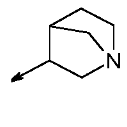
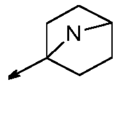
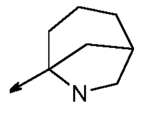
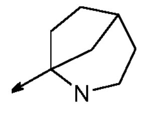
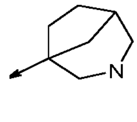
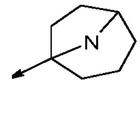
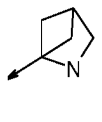
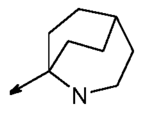
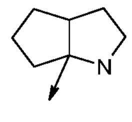
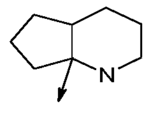
tetrahydrooxepin-2- or 3- or 4- or 5- or 6- or 7-yl; 2,3,6,7-tetrahydrooxepin-2- or 3- or 4-yl; 2,3-dihydrooxepin-2- or 3- or 4- or 5- or 6- or 7-yl; 4,5-dihydrooxepin-2- or 3- or 4-yl; 2,5-dihydrooxepin-2- or 3- or 4- or 5- or 6- or 7-yl; oxepin-2- or 3- or 4- or 5- or 6- or 7-yl; 2- or 3-tetrahydrothiophenyl; 2,3-dihydrothiophen-2- or 3- or 4- or 5-yl; 2,5-dihydrothiophen-2- or 3-yl; tetrahydro-2H-thiopyran-2- or 3- or 4-yl; 3,4-dihydro-2H-thiopyran-2- or 3- or 4- or 5- or 6-yl; 3,6-dihydro-2H-thiopyran-2- or 3- or 4- or 5- or 6-yl; 2H-thiopyran-2- or 3- or 4- or 5- or 6-yl; 4H-thiopyran-2- or 3- or 4-yl. Preferred 3-membered and 4-membered heterocycles are, for example, 1- or 2-aziridinyl, oxiranyl, thiiranyl, 1- or 2- or 3-azetidinyl, 2- or 3-oxetanyl, 2- or 3-thietanyl, 1,3-dioxetan-2-yl. Further examples of "heterocyclyl" are a partly or fully hydrogenated heterocyclic radical having two heteroatoms from the group of N, O and S, for example 1- or 2- or 3- or 4-pyrazolidinyl; 4,5-dihydro-3H-pyrazol-3- or 4- or 5-yl; 4,5-dihydro-1H-pyrazol-1- or 3- or 4- or 5-yl; 2,3-dihydro-1H-pyrazol-1- or 2- or 3- or 4- or 5-yl; 1- or 2- or 3- or 4-imidazolidinyl; 2,3-dihydro-1H-imidazol-1- or 2- or 3- or 4-yl; 2,5-dihydro-1H-imidazol-1- or 2- or 4- or 5-yl; 4,5-dihydro-1H-imidazol-1- or 2- or 4- or 5-yl; hexahydropyridazin-1- or 2- or 3- or 4-yl; 1,2,3,4-tetrahydropyridazin-1- or 2- or 3- or 4- or 5- or 6-yl; 1,2,3,6-tetrahydropyridazin-1- or 2- or 3- or 4- or 5- or 6-yl; 1,4,5,6-tetrahydropyridazin-1- or 3- or 4- or 5- or 6-yl; 3,4,5,6-tetrahydropyridazin-3- or 4- or 5-yl; 4,5-dihydropyridazin-3- or 4-yl; 3,4-dihydropyridazin-3- or 4- or 5- or 6-yl; 3,6-dihydropyridazin-3- or 4-yl; 1,6-dihydropyridazin-1- or 3- or 4- or 5- or 6-yl; hexahydropyrimidin-1- or 2- or 3- or 4-yl; 1,4,5,6-tetrahydropyrimidin-1- or 2- or 4- or 5- or 6-yl; 1,2,5,6-tetrahydropyrimidin-1- or 2- or 4- or 5- or 6-yl; 1,2,3,4-tetrahydropyrimidin-1- or 2- or 3- or 4- or 5- or 6-yl; 1,6-dihydropyrimidin-1- or 2- or 4- or 5- or 6-yl; 1,2-dihydropyrimidin-1- or 2- or 4- or 5- or 6-yl; 2,5-dihydropyrimidin-2- or 4- or 5-yl; 4,5-dihydropyrimidin-4- or 5- or 6-yl; 1,4-dihydropyrimidin-1- or 2- or 4- or 5- or 6-yl; 1- or 2- or 3-piperazinyl; 1,2,3,6-tetrahydropyrazin-1- or 2- or 3- or 5- or 6-yl; 1,2,3,4-tetrahydropyrazin-1- or 2- or 3- or 4- or 5- or 6-yl; 1,2-dihydropyrazin-1- or 2- or 3- or 5- or 6-yl; 1,4-dihydropyrazin-1- or 2- or 3-yl; 2,3-dihydropyrazin-2- or 3- or 5- or 6-yl; 2,5-dihydropyrazin-2- or 3-yl; 1,3-dioxolan-2- or 4- or 5-yl; 1,3-dioxol-2- or 4-yl; 1,3-dioxan-2- or 4- or 5-yl; 4H-1,3-dioxin-2- or 4- or 5- or 6-yl; 1,4-dioxan-2- or 3- or 5- or 6-yl; 2,3-dihydro-1,4-dioxin-2- or 3- or 5- or 6-yl; 1,4-dioxin-2- or 3-yl; 1,2-dithiolan-3- or 4-yl; 3H-1,2-dithiol-3- or 4- or 5-yl; 1,3-dithiolan-2- or 4-yl; 1,3-dithiol-2- or 4-yl; 1,2-dithian-3- or 4-yl; 3,4-dihydro-1,2-dithiin-3- or 4- or 5- or 6-yl; 3,6-dihydro-1,2-dithiin-3- or 4-yl; 1,2-dithiin-3- or 4-yl; 1,3-dithian-2- or 4- or 5-yl; 4H-1,3-dithiin-2- or 4- or 5- or 6-yl; isoxazolidin-2- or 3- or 4- or 5-yl; 2,3-dihydroisoxazol-2- or 3- or 4- or 5-yl; 2,5-dihydroisoxazol-2- or 3- or 4- or 5-yl; 4,5-dihydroisoxazol-3- or 4- or 5-yl; 1,3-oxazolidin-2- or 3- or 4- or 5-yl; 2,3-dihydro-1,3-oxazol-2- or 3- or 4- or 5-yl; 2,5-dihydro-1,3-oxazol-2- or 4- or 5-yl; 4,5-dihydro-1,3-oxazol-2- or 4- or 5-yl; 1,2-oxazinan-2- or 3- or 4- or 5- or 6-yl; 3,4-dihydro-2H-1,2-oxazin-2- or 3- or 4- or 5- or 6-yl; 3,6-dihydro-2H-1,2-oxazin-2- or 3- or 4- or 5- or 6-yl; 5,6-dihydro-2H-1,2-oxazin-2- or 3- or 4- or 5- or 6-yl; 5,6-dihydro-4H-1,2-oxazin-3- or 4- or 5- or 6-yl; 2H-1,2-oxazin-2- or 3- or 4- or 5- or 6-yl; 6H-1,2-oxazin-3- or 4- or 5- or 6-yl; 4H-1,2-oxazin-3- or 4- or 5- or 6-yl; 1,3-oxazinan-2- or 3- or 4- or 5- or 6-yl; 3,4-dihydro-2H-1,3-oxazin-2- or 3- or 4- or 5- or 6-yl; 3,6-dihydro-2H-1,3-oxazin-2- or 3- or 4- or

5- or 6-yl; 5,6-dihydro-2H-1,3-oxazin-2- or 4- or 5- or 6-yl; 5,6-dihydro-4H-1,3-oxazin-2- or 4- or 5- or 6-yl; 2H-1,3-oxazin-2- or 4- or 5- or 6-yl; 6H-1,3-oxazin-2- or 4- or 5- or 6-yl; 4H-1,3-oxazin-2- or 4- or 5- or 6-yl; morpholin-2- or 3- or 4-yl; 3,4-dihydro-2H-1,4-oxazin-2- or 3- or 4- or 5- or 6-yl; 3,6-dihydro-2H-1,4-oxazin-2- or 3- or 5- or 6-yl; 2H-1,4-oxazin-2- or 3- or 5- or 6-yl; 4H-1,4-oxazin-2- or 3-yl; 1,2-oxazepan-2- or 3- or 4- or 5- or 6- or 7-yl; 2,3,4,5-tetrahydro-1,2-oxazepin-2- or 3- or 4- or 5- or 6- or 7-yl; 2,3,4,7-tetrahydro-1,2-oxazepin-2- or 3- or 4- or 5- or 6- or 7-yl; 2,3,6,7-tetrahydro-1,2-oxazepin-2- or 3- or 4- or 5- or 6- or 7-yl; 2,5,6,7-tetrahydro-1,2-oxazepin-2- or 3- or 4- or 5- or 6- or 7-yl; 4,5,6,7-tetrahydro-1,2-oxazepin-3- or 4- or 5- or 6- or 7-yl; 2,3-dihydro-1,2-oxazepin-2- or 3- or 4- or 5- or 6- or 7-yl; 2,5-dihydro-1,2-oxazepin-2- or 3- or 4- or 5- or 6- or 7-yl; 2,7-dihydro-1,2-oxazepin-2- or 3- or 4- or 5- or 6- or 7-yl; 4,5-dihydro-1,2-oxazepin-3- or 4- or 5- or 6- or 7-yl; 4,7-dihydro-1,2-oxazepin-3- or 4- or 5- or 6- or 7-yl; 6,7-dihydro-1,2-oxazepin-3- or 4- or 5- or 6- or 7-yl; 1,2-oxazepin-3- or 4- or 5- or 6- or 7-yl; 1,3-oxazepan-2- or 3- or 4- or 5- or 6- or 7-yl; 2,3,4,5-tetrahydro-1,3-oxazepin-2- or 3- or 4- or 5- or 6- or 7-yl; 2,3,4,7-tetrahydro-1,3-oxazepin-2- or 3- or 4- or 5- or 6- or 7-yl; 2,3,6,7-tetrahydro-1,3-oxazepin-2- or 3- or 4- or 5- or 6- or 7-yl; 2,5,6,7-tetrahydro-1,3-oxazepin-2- or 4- or 5- or 6- or 7-yl; 4,5,6,7-tetrahydro-1,3-oxazepin-2- or 4- or 5- or 6- or 7-yl; 2,3-dihydro-1,3-oxazepin-2- or 3- or 4- or 5- or 6- or 7-yl; 2,5-dihydro-1,3-oxazepin-2- or 4- or 5- or 6- or 7-yl; 2,7-dihydro-1,3-oxazepin-2- or 4- or 5- or 6- or 7-yl; 4,5-dihydro-1,3-oxazepin-2- or 4- or 5- or 6- or 7-yl; 4,7-dihydro-1,3-oxazepin-2- or 4- or 5- or 6- or 7-yl; 6,7-dihydro-1,3-oxazepin-2- or 4- or 5- or 6- or 7-yl; 1,3-oxazepin-2- or 4- or 5- or 6- or 7-yl; 1,4-oxazepan-2- or 3- or 5- or 6- or 7-yl; 2,3,4,5-tetrahydro-1,4-oxazepin-2- or 3- or 4- or 5- or 6- or 7-yl; 2,3,4,7-tetrahydro-1,4-oxazepin-2- or 3- or 4- or 5- or 6- or 7-yl; 2,3,6,7-tetrahydro-1,4-oxazepin-2- or 3- or 5- or 6- or 7-yl; 2,5,6,7-tetrahydro-1,4-oxazepin-2- or 3- or 5- or 6- or 7-yl; 4,5,6,7-tetrahydro-1,4-oxazepin-2- or 3- or 4- or 5- or 6- or 7-yl; 2,3-dihydro-1,4-oxazepin-2- or 3- or 5- or 6- or 7-yl; 2,5-dihydro-1,4-oxazepin-2- or 3- or 5- or 6- or 7-yl; 2,7-dihydro-1,4-oxazepin-2- or 3- or 5- or 6- or 7-yl; 4,5-dihydro-1,4-oxazepin-2- or 3- or 4- or 5- or 6- or 7-yl; 4,7-dihydro-1,4-oxazepin-2- or 3- or 4- or 5- or 6- or 7-yl; 6,7-dihydro-1,4-oxazepin-2- or 3- or 5- or 6- or 7-yl; 1,4-oxazepin-2- or 3- or 5- or 6- or 7-yl; isothiazolidin-2- or 3- or 4- or 5-yl; 2,3-dihydroisothiazol-2- or 3- or 4- or 5-yl; 2,5-dihydroisothiazol-2- or 3- or 4- or 5-yl; 4,5-dihydroisothiazol-3- or 4- or 5-yl; 1,3-thiazolidin-2- or 3- or 4- or 5-yl; 2,3-dihydro-1,3-thiazol-2- or 3- or 4- or 5-yl; 2,5-dihydro-1,3-thiazol-2- or 4- or 5-yl; 4,5-dihydro-1,3-thiazol-2- or 4- or 5-yl; 1,3-thiazinan-2- or 3- or 4- or 5- or 6-yl; 3,4-dihydro-2H-1,3-thiazin-2- or 3- or 4- or 5- or 6-yl; 3,6-dihydro-2H-1,3-thiazin-2- or 3- or 4- or 5- or 6-yl; 5,6-dihydro-2H-1,3-thiazin-2- or 4- or 5- or 6-yl; 5,6-dihydro-4H-1,3-thiazin-2- or 4- or 5- or 6-yl; 2H-1,3-thiazin-2- or 4- or 5- or 6-yl; 6H-1,3-thiazin-2- or 4- or 5- or 6-yl; 4H-1,3-thiazin-2- or 4- or 5- or 6-yl. Further examples of "heterocyclyl" are a partially or fully hydrogenated heterocyclic radical having 3 heteroatoms from the group of N, O and S, for example 1,4,2-dioxazolidin-2- or -3- or -5-yl; 1,4,2-dioxazol-3- or -5-yl; 1,4,2-dioxazinan-2- or -3- or -5- or -6-yl; 5,6-dihydro-1,4,2-dioxazin-3- or -5- or -6-yl; 1,4,2-dioxazin-3- or -5- or -6-yl; 1,4,2-dioxazepan-2- or -3- or -5- or -6- or -7-yl; 6,7-dihydro-5H-1,4,2-dioxazepin-3- or -5- or -6- or -7-yl; 2,3-dihydro-7H-1,4,2-

dioxazepin-2- or -3- or -5- or -6- or -7-yl; 2,3-dihydro-5H-1,4,2-dioxazepin-2- or -3- or -5- or -6- or -7-yl; 5H-1,4,2-dioxazepin-3- or -5- or -6- or -7-yl; 7H-1,4,2-dioxazepin-3- or -5- or -6- or -7-yl. Structural examples of heterocycles which are optionally substituted further are also listed below:





The heterocycles listed above are preferably substituted, for example, by hydrogen, halogen, alkyl, haloalkyl, hydroxyl, alkoxy, cycloalkoxy, aryloxy, alkoxyalkyl, alkoxyalkoxy, cycloalkyl, halocycloalkyl, aryl, arylalkyl, heteroaryl, heterocyclyl, alkenyl, alkylcarbonyl, cycloalkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, alkoxycarbonyl, hydroxycarbonyl, cycloalkoxycarbonyl, cycloalkylalkoxycarbonyl, alkoxycarbonylalkyl, arylalkoxycarbonyl, arylalkoxycarbonylalkyl, alkynyl, alkynylalkyl, alkylalkynyl, trisalkylsilylalkynyl, nitro, amino, cyano, haloalkoxy, haloalkylthio, alkylthio, hydrothio, hydroxyalkyl, oxo, heteroarylalkoxy, arylalkoxy, heterocyclylalkoxy, heterocyclylalkylthio, heterocyclyloxy, heterocyclylthio, heteroaryloxy, bisalkylamino, alkylamino, cycloalkylamino, hydroxycarbonylalkylamino, alkoxycarbonylalkylamino, arylalkoxycarbonylalkylamino, alkoxycarbonylalkyl(alkyl)amino, aminocarbonyl, alkylaminocarbonyl, bisalkylaminocarbonyl, cycloalkylaminocarbonyl, hydroxycarbonylalkylaminocarbonyl, alkoxycarbonylalkylaminocarbonyl, arylalkoxycarbonylalkylaminocarbonyl.

The cyclic structural elements (in particular the structural elements aryl, cycloalkyl, cycloalkenyl, heteroaryl and heterocyclyl) of the radicals mentioned in R^1, R^3, R^4, R^5, R^6, R^7, R^8, R^9, R^{10}, R^{11}, R^{12} and R^{13}, respectively, are therefore unsubstituted or substituted by one or more radicals, preferably selected from the group consisting of halogen, nitro, hydroxy, cyano, $NR^{10}R^{11}$, (C_1-C_4)-alkyl, (C_1-C_4)-haloalkyl, (C_1-C_4)-alkoxy, (C_1-C_4)-haloalkoxy, (C_1-C_4)-alkylthio, (C_1-C_4)-alkylsulfoxy, (C_1-C_4)-alkylsulfone, (C_1-C_4)-haloalkylthio, (C_1-C_4)-haloalkylsulfoxy, (C_1-C_4)-haloalkylsulfone, (C_1-C_4)-alkoxycarbonyl, (C_1-C_4)-haloalkoxycarbonyl, (C_1-C_4)-alkylcarboxy, (C_3-C_6)-cycloalkyl, (C_3-C_6)-cycloalkyl-(C_1-C_6)-alkyl, (C_1-C_4)-alkoxycarbonyl-(C_1-C_4)-alkyl, hydroxycarbonyl, hydroxycarbonyl-(C_1-C_4)-alkyl, $R^{10}R^{11}$N-carbonyl, and where the structural elements cycloalkyl and heterocyclyl have n oxo groups, where n = 0, 1 or 2.

When a base structure is substituted "by one or more radicals" from a list of radicals (= group) or a generically defined group of radicals, this in each case includes simultaneous substitution by a plurality of identical and/or structurally different radicals.

In the case of a partially or fully saturated nitrogen heterocycle, this may be joined to the remainder of the molecule either via carbon or via the nitrogen.

Suitable substituents for a substituted heterocyclic radical are the substituents specified further down, and additionally also oxo and thioxo. The oxo group as a substituent on a ring carbon atom is then, for example, a carbonyl group in the heterocyclic ring. As a result, lactones and lactams are preferably also included. The oxo group may also occur on the ring heteroatoms, which may exist in different oxidation states, for example in the case of N and S, and in that case form, for example, the divalent -N(O)-, -S(O)- (also SO for short) and -S(O)$_2$- (also SO$_2$ for short) groups in the heterocyclic ring. In the case of -N(O)- and –S(O)- groups, both enantiomers in each case are included.

According to the invention, the expression "heteroaryl" refers to heteroaromatic compounds, i.e. fully unsaturated aromatic heterocyclic compounds, preferably 5- to 7-membered rings having 1 to 4, preferably 1 or 2, identical or different heteroatoms, preferably O, S or N. Inventive heteroaryls are, for example, 1H-pyrrol-1-yl; 1H-pyrrol-2-yl; 1H-pyrrol-3-yl; furan-2-yl; furan-3-yl; thien-2-yl; thien-3-yl, 1H-imidazol-1-yl; 1H-imidazol-2-yl; 1H-imidazol-4-yl; 1H-imidazol-5-yl; 1H-pyrazol-1-yl; 1H-pyrazol-3-yl; 1H-pyrazol-4-yl; 1H-pyrazol-5-yl, 1H-1,2,3-triazol-1-yl, 1H-1,2,3-triazol-4-yl, 1H-1,2,3-triazol-5-yl, 2H-1,2,3-triazol-2-yl, 2H-1,2,3-triazol-4-yl, 1H-1,2,4-triazol-1-yl, 1H-1,2,4-triazol-3-yl, 4H-1,2,4-triazol-4-yl, 1,2,4-oxadiazol-3-yl, 1,2,4-oxadiazol-5-yl, 1,3,4-oxadiazol-2-yl, 1,2,3-oxadiazol-4-yl, 1,2,3-oxadiazol-5-yl, 1,2,5-oxadiazol-3-yl, azepinyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyrazin-2-yl, pyrazin-3-yl, pyrimidin-2-yl, pyrimidin-4-yl, pyrimidin-5-yl, pyridazin-3-yl, pyridazin-4-yl, 1,3,5-triazin-2-yl, 1,2,4-triazin-3-yl, 1,2,4-triazin-5-yl, 1,2,4-triazin-6-yl, 1,2,3-triazin-4-yl, 1,2,3-triazin-5-yl, 1,2,4-, 1,3,2-, 1,3,6- and 1,2,6-oxazinyl, isoxazol-3-yl, isoxazol-4-yl, isoxazol-5-yl, 1,3-oxazol-2-yl, 1,3-oxazol-4-yl, 1,3-oxazol-5-yl, isothiazol-3-yl, isothiazol-4-yl, isothiazol-5-yl, 1,3-thiazol-2-yl, 1,3-thiazol-4-yl, 1,3-thiazol-5-yl, oxepinyl, thiepinyl, 1,2,4-triazolonyl and 1,2,4-diazepinyl, 2H-1,2,3,4-tetrazol-5-yl, 1H-1,2,3,4-tetrazol-5-yl, 1,2,3,4-oxatriazol-5-yl, 1,2,3,4-thiatriazol-5-yl, 1,2,3,5-oxatriazol-4-yl, 1,2,3,5-thiatriazol-4-yl. The heteroaryl groups according to the invention may also be substituted by one or more identical or different radicals. If two adjacent carbon atoms are part of a further aromatic ring, the systems are fused heteroaromatic systems, such as benzofused or polyannelated heteroaromatics. Preferred examples are quinolines (e.g. quinolin-2-yl, quinolin-3-yl, quinolin-4-yl, quinolin-5-yl, quinolin-6-yl, quinolin-7-yl, quinolin-8-yl); isoquinolines (e.g. isoquinolin-1-yl, isoquinolin-3-yl, isoquinolin-4-yl, isoquinolin-5-yl, isoquinolin-6-yl, isoquinolin-7-yl, isoquinolin-8-yl); quinoxaline; quinazoline; cinnoline; 1,5-naphthyridine; 1,6-naphthyridine; 1,7-naphthyridine; 1,8-naphthyridine; 2,6-naphthyridine; 2,7-naphthyridine; phthalazine; pyridopyrazines; pyridopyrimidines; pyridopyridazines; pteridines; pyrimidopyrimidines. Examples of heteroaryl are also 5- or 6-membered benzofused rings from the group of 1H-indol-1-yl, 1H-indol-2-yl, 1H-indol-3-yl, 1H-indol-4-yl, 1H-indol-5-yl, 1H-indol-6-yl, 1H-indol-7-yl, 1-benzofuran-2-yl, 1-benzofuran-3-yl, 1-benzofuran-4-yl, 1-benzofuran-5-yl, 1-benzofuran-6-yl, 1-benzofuran-7-yl, 1-benzothiophen-2-yl, 1-benzothiophen-3-yl, 1-

benzothiophen-4-yl, 1-benzothiophen-5-yl, 1-benzothiophen-6-yl, 1-benzothiophen-7-yl, 1H-indazol-1-yl, 1H-indazol-3-yl, 1H-indazol-4-yl, 1H-indazol-5-yl, 1H-indazol-6-yl, 1H-indazol-7-yl, 2H-indazol-2-yl, 2H-indazol-3-yl, 2H-indazol-4-yl, 2H-indazol-5-yl, 2H-indazol-6-yl, 2H-indazol-7-yl, 2H-isoindol-2-yl, 2H-isoindol-1-yl, 2H-isoindol-3-yl, 2H-isoindol-4-yl, 2H-isoindol-5-yl, 2H-isoindol-6-yl; 2H-isoindol-7-yl, 1H-benzimidazol-1-yl, 1H-benzimidazol-2-yl, 1H-benzimidazol-4-yl, 1H-benzimidazol-5-yl, 1H-benzimidazol-6-yl, 1H-benzimidazol-7-yl, 1,3-benzoxazol-2-yl, 1,3-benzoxazol-4-yl, 1,3-benzoxazol-5-yl, 1,3-benzoxazol-6-yl, 1,3-benzoxazol-7-yl, 1,3-benzothiazol-2-yl, 1,3-benzothiazol-4-yl, 1,3-benzothiazol-5-yl, 1,3-benzothiazol-6-yl, 1,3-benzothiazol-7-yl, 1,2-benzisoxazol-3-yl, 1,2-benzisoxazol-4-yl, 1,2-benzisoxazol-5-yl, 1,2-benzisoxazol-6-yl, 1,2-benzisoxazol-7-yl, 1,2-benzisothiazol-3-yl, 1,2-benzisothiazol-4-yl, 1,2-benzisothiazol-5-yl, 1,2-benzisothiazol-6-yl, 1,2-benzisothiazol-7-yl.

The term "halogen" denotes, for example, fluorine, chlorine, bromine or iodine. If the term is used for a radical, "halogen" denotes, for example, a fluorine, chlorine, bromine or iodine atom.

According to the invention, "alkyl" means a straight-chain or branched open-chain, saturated hydrocarbon radical which is optionally mono- or polysubstituted, and in the latter case is referred to as "substituted alkyl". Preferred substituents are halogen atoms, alkoxy, haloalkoxy, cyano, alkylthio, haloalkylthio, amino or nitro groups, particular preference being given to methoxy, methyl, fluoroalkyl, cyano, nitro, fluorine, chlorine, bromine or iodine. The prefix “bis” also includes the combination of different alkyl radicals, e.g. methyl(ethyl) or ethyl(methyl).

"Haloalkyl", "-alkenyl" and "-alkynyl" respectively denote alkyl, alkenyl and alkynyl partially or fully substituted by identical or different halogen atoms, for example monohaloalkyl such as CH_2CH_2Cl, CH_2CH_2Br, $CHClCH_3$, CH_2Cl, CH_2F; perhaloalkyl such as CCl_3, $CClF_2$, $CFCl_2$, CF_2CClF_2, $CF_2CClFCF_3$; polyhaloalkyl such as CH_2CHFCl, CF_2CClFH, CF_2CBrFH, CH_2CF_3; the term perhaloalkyl also encompasses the term perfluoroalkyl.

“Partially fluorinated alkyl” denotes a straight-chain or branched, saturated hydrocarbon which is mono- or polysubstituted by fluorine, where the fluorine atoms in question may be present as substituents on one or more different carbon atoms of the straight-chain or branched hydrocarbon chain, for example $CHFCH_3$, CH_2CH_2F, $CH_2CH_2CF_3$, CHF_2, CH_2F, $CHFCF_2CF_3$.

“Partially fluorinated haloalkyl” denotes a straight-chain or branched, saturated hydrocarbon which is substituted by different halogen atoms with at least one fluorine atom, where any other halogen atoms optionally present are selected from the group consisting of fluorine, chlorine or bromine, iodine. The corresponding halogen atoms may be present as substituents on one or more different carbon atoms of the straight-chain or branched hydrocarbon chain. Partially fluorinated haloalkyl also includes full substitution of the straight or branched chain by halogen including at least one fluorine atom.

“Haloalkoxy” is, for example, OCF_3, $OCHF_2$, OCH_2F, OCF_2CF_3, OCH_2CF_3 and OCH_2CH_2Cl; this applies correspondingly to haloalkenyl and other halogen-substituted radicals.

The expression "(C_1-C_4)-alkyl" mentioned here by way of example is a brief notation for straight-chain or branched alkyl having one to 4 carbon atoms according to the range stated for carbon atoms, i.e. encompasses the methyl, ethyl, 1-propyl, 2-propyl, 1-butyl, 2-butyl, 2-methylpropyl or tert-butyl radicals. General alkyl radicals with a larger specified range of carbon atoms, e.g. "(C_1-C_6)-alkyl", correspondingly also encompass straight-chain or branched alkyl radicals with a greater number of carbon atoms, i.e. according to the example also the alkyl radicals having 5 and 6 carbon atoms.

Unless stated specifically, preference is given to the lower carbon skeletons, for example having from 1 to 6 carbon atoms, or having from 2 to 6 carbon atoms in the case of unsaturated groups, in the case of the hydrocarbyl radicals such as alkyl, alkenyl and alkynyl radicals, including in composite radicals. Alkyl radicals, including in composite radicals such as alkoxy, haloalkyl, etc., are, for example, methyl, ethyl, n-propyl or i-propyl, n-, i-, t- or 2-butyl, pentyls, hexyls such as n-hexyl, i-hexyl and 1,3-dimethylbutyl, heptyls such as n-heptyl, 1-methylhexyl and 1,4-dimethylpentyl; alkenyl and alkynyl radicals are defined as the possible unsaturated radicals corresponding to the alkyl radicals, where at least one double bond or triple bond is present. Preference is given to radicals having one double bond or triple bond.

The term "alkenyl" also includes, in particular, straight-chain or branched open-chain hydrocarbon radicals having more than one double bond, such as 1,3-butadienyl and 1,4-pentadienyl, but also allenyl or cumulenyl radicals having one or more cumulated double bonds, for example allenyl (1,2-propadienyl), 1,2-butadienyl and 1,2,3-pentatrienyl. Alkenyl denotes, for example, vinyl which may optionally be substituted by further alkyl radicals, for example (but not limited thereto) (C_2-C_6)-alkenyl such as ethenyl, 1-propenyl, 2-propenyl, 1-methylethenyl, 1-butenyl, 2-butenyl, 3-butenyl, 1-methyl-1-propenyl, 2-methyl-1-propenyl, 1-methyl-2-propenyl, 2-methyl-2-propenyl, 1-pentenyl, 2-pentenyl, 3-pentenyl, 4-pentenyl, 1-methyl-1-butenyl, 2-methyl-1-butenyl, 3-methyl-1-butenyl, 1-methyl-2-butenyl, 2-methyl-2-butenyl, 3-methyl-2-butenyl, 1-methyl-3-butenyl, 2-methyl-3-butenyl, 3-methyl-3-butenyl, 1,1-dimethyl-2-propenyl, 1,2-dimethyl-1-propenyl, 1,2-dimethyl-2-propenyl, 1-ethyl-1-propenyl, 1-ethyl-2-propenyl, 1-hexenyl, 2-hexenyl, 3-hexenyl, 4-hexenyl, 5-hexenyl, 1-methyl-1-pentenyl, 2-methyl-1-pentenyl, 3-methyl-1-pentenyl, 4-methyl-1-pentenyl, 1-methyl-2-pentenyl, 2-methyl-2-pentenyl, 3-methyl-2-pentenyl, 4-methyl-2-pentenyl, 1-methyl-3-pentenyl, 2-methyl-3-pentenyl, 3-methyl-3-pentenyl, 4-methyl-3-pentenyl, 1-methyl-4-pentenyl, 2-methyl-4-pentenyl, 3-methyl-4-

pentenyl, 4-methyl-4-pentenyl, 1,1-dimethyl-2-butenyl, 1,1-dimethyl-3-butenyl, 1,2-dimethyl-1-butenyl, 1,2-dimethyl-2-butenyl, 1,2-dimethyl-3-butenyl, 1,3-dimethyl-1-butenyl, 1,3-dimethyl-2-butenyl, 1,3-dimethyl-3-butenyl, 2,2-dimethyl-3-butenyl, 2,3-dimethyl-1-butenyl, 2,3-dimethyl-2-butenyl, 2,3-dimethyl-3-butenyl, 3,3-dimethyl-1-butenyl, 3,3-dimethyl-2-butenyl, 1-ethyl-1-butenyl, 1-ethyl-2-butenyl, 1-ethyl-3-butenyl, 2-ethyl-1-butenyl, 2-ethyl-2-butenyl, 2-ethyl-3-butenyl, 1,1,2-trimethyl-2-propenyl, 1-ethyl-1-methyl-2-propenyl, 1-ethyl-2-methyl-1-propenyl and 1-ethyl-2-methyl-2-propenyl.

The term "alkynyl" also includes, in particular, straight-chain or branched open-chain hydrocarbon radicals having more than one triple bond, or else having one or more triple bonds and one or more double bonds, for example 1,3-butatrienyl or 3-penten-1-yn-1-yl. (C_2-C_6)-Alkynyl denotes, for example, ethynyl, 1-propynyl, 2-propynyl, 1-butynyl, 2-butynyl, 3-butynyl, 1-methyl-2-propynyl, 1-pentynyl, 2-pentynyl, 3-pentynyl, 4-pentynyl, 1-methyl-2-butynyl, 1-methyl-3-butynyl, 2-methyl-3-butynyl, 3-methyl-1-butynyl, 1,1-dimethyl-2-propynyl, 1-ethyl-2-propynyl, 1-hexynyl, 2-hexynyl, 3-hexynyl, 4-hexynyl, 5-hexynyl, 1-methyl-2-pentynyl, 1-methyl-3-pentynyl, 1-methyl-4-pentynyl, 2-methyl-3-pentynyl, 2-methyl-4-pentynyl, 3-methyl-1-pentynyl, 3-methyl-4-pentynyl, 4-methyl-1-pentynyl, 4-methyl-2-pentynyl, 1,1-dimethyl-2-butynyl, 1,1-dimethyl-3-butynyl, 1,2-dimethyl-3-butynyl, 2,2-dimethyl-3-butynyl, 3,3-dimethyl-1-butynyl, 1-ethyl-2-butynyl, 1-ethyl-3-butynyl, 2-ethyl-3-butynyl and 1-ethyl-1-methyl-2-propynyl.

The term "cycloalkyl" refers to a carbocyclic saturated ring system having preferably 3-8 ring carbon atoms, for example cyclopropyl, cyclobutyl, cyclopentyl or cyclohexyl, which optionally has further substitution, preferably by hydrogen, alkyl, alkoxy, cyano, nitro, alkylthio, haloalkylthio, halogen, alkenyl, alkynyl, haloalkyl, amino, alkylamino, bisalkylamino, alkoxycarbonyl, hydroxycarbonyl, arylalkoxycarbonyl, aminocarbonyl, alkylaminocarbonyl, cycloalkylaminocarbonyl. In the case of optionally substituted cycloalkyl, cyclic systems with substituents are included, also including substituents with a double bond on the cycloalkyl radical, for example an alkylidene group such as methylidene. In the case of optionally substituted cycloalkyl, polycyclic aliphatic systems are also included, for example bicyclo[1.1.0]butan-1-yl, bicyclo[1.1.0]butan-2-yl, bicyclo[2.1.0]pentan-1-yl, bicyclo[1.1.1]pentan-1-yl, bicyclo[2.1.0]pentan-2-yl, bicyclo[2.1.0]pentan-5-yl, bicyclo[2.1.1]hexyl, bicyclo[2.2.1]hept-2-yl, bicyclo[2.2.2]octan-2-yl, bicyclo[3.2.1]octan-2-yl, bicyclo[3.2.2]nonan-2-yl, adamantan-1-yl and adamantan-2-yl, but also systems such as 1,1'-bi(cyclopropyl)-1-yl, 1,1'-bi(cyclopropyl)-2-yl, for example. The term "(C_3-C_7)-cycloalkyl" is a brief notation for cycloalkyl having three to 7 carbon atoms, corresponding to the range specified for carbon atoms.

In the case of substituted cycloalkyl, spirocyclic aliphatic systems are also included, for example spiro[2.2]pent-1-yl, spiro[2.3]hex-1-yl, spiro[2.3]hex-4-yl, 3-spiro[2.3]hex-5-yl, spiro[3.3]hept-1-yl, spiro[3.3]hept-2-yl.

“Cycloalkenyl” denotes a carbocyclic, nonaromatic, partially unsaturated ring system having preferably 4-8 carbon atoms, e.g. 1-cyclobutenyl, 2-cyclobutenyl, 1-cyclopentenyl, 2-cyclopentenyl, 3-cyclopentenyl, or 1-cyclohexenyl, 2-cyclohexenyl, 3-cyclohexenyl, 1,3-cyclohexadienyl or 1,4-cyclohexadienyl, also including substituents with a double bond on the cycloalkenyl radical, for example an alkylidene group such as methylidene. In the case of optionally substituted cycloalkenyl, the elucidations for substituted cycloalkyl apply correspondingly.

The term "alkylidene", also, for example, in the form (C_1-C_{10})-alkylidene, means the radical of a straight-chain or branched open-chain hydrocarbon radical which is bonded via a double bond. Possible bonding sites for alkylidene are naturally only positions on the base structure where two hydrogen atoms can be replaced by the double bond; radicals are, for example, $=CH_2$, $=CH-CH_3$, $=C(CH_3)-CH_3$, $=C(CH_3)-C_2H_5$ or $=C(C_2H_5)-C_2H_5$. Cycloalkylidene denotes a carbocyclic radical bonded via a double bond.

“Cycloalkylalkyloxy” denotes a cycloalkylalkyl radical bonded via an oxygen atom and “arylalkyloxy” denotes an arylalkyl radical bonded via an oxygen atom.

“Alkoxyalkyl” represents an alkoxy radical bonded via an alkyl group and “alkoxyalkoxy” denotes an alkoxyalkyl radical bonded via an oxygen atom, for example (but not limited thereto) methoxymethoxy, methoxyethoxy, ethoxyethoxy, methoxy-n-propyloxy.

“Alkylthioalkyl” represents an alkylthio radical bonded via an alkyl group and “alkylthioalkylthio” denotes an alkylthioalkyl radical bonded via an oxygen atom.

“Arylalkoxyalkyl” represents an aryloxy radical bonded via an alkyl group and “heteroaryloxyalkyl” denotes a heteroaryloxy radical bonded via an alkyl group.

“Haloalkoxyalkyl” represents a haloalkoxy radical and “haloalkylthioalkyl” denotes a haloalkylthio radical, bonded via an alkyl group.

“Arylalkyl” represents an aryl radical bonded via an alkyl group, “heteroarylalkyl” denotes a heteroaryl radical bonded via an alkyl group, and “heterocyclylalkyl” denotes a heterocyclyl radical bonded via an alkyl group.

“Cycloalkylalkyl” represents a cycloalkyl radical bonded via an alkyl group, for example (but not limited thereto) cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl, 1-cyclopropyleth-1-yl, 2-cyclopropyleth-1-yl, 1-cyclopropylprop-1-yl, 3-cyclopropylprop-1-yl.

“Arylalkenyl” represents an aryl radical bonded via an alkenyl group, “heteroarylalkenyl” denotes a heteroaryl radical bonded via an alkenyl group, and “heterocyclylalkenyl” denotes a heterocyclyl radical bonded via an alkenyl group.

“Arylalkynyl” represents an aryl radical bonded via an alkynyl group, “heteroarylalkynyl” denotes a heteroaryl radical bonded via an alkynyl group, and “heterocyclylalkynyl” denotes a heterocyclyl radical bonded via an alkynyl group.

According to the invention, “haloalkylthio” - on its own or as constituent part of a chemical group - represents straight-chain or branched S-haloalkyl, preferably having 1 to 8, or having 1 to 6 carbon atoms, such as (C_1-C_8)-, (C_1-C_6)- or (C_1-C_4)-haloalkylthio, for example (but not limited thereto) trifluoromethylthio, pentafluoroethylthio, difluoromethyl, 2,2-difluoroeth-1-ylthio, 2,2,2-difluoroeth-1-ylthio, 3,3,3-prop-1-ylthio.

“Halocycloalkyl” and “halocycloalkenyl” denote cycloalkyl and cycloalkenyl, respectively, which are partially or fully substituted by identical or different halogen atoms, such as F, Cl and Br, or by haloalkyl, such as trifluoromethyl or difluoromethyl, for example 1-fluorocycloprop-1-yl, 2-fluorocycloprop-1-yl, 2,2-difluorocycloprop-1-yl, 1-fluorocyclobut-1-yl, 1-trifluoromethylcycloprop-1-yl, 2-trifluoromethylcycloprop-1-yl, 1-chlorocycloprop-1-yl, 2-chlorocycloprop-1-yl, 2,2-dichlorocycloprop-1-yl, 3,3-difluorocyclobutyl.

According to the invention, “trialkylsilyl” - on its own or as constituent part of a chemical group - represents straight-chain or branched Si-alkyl, preferably having 1 to 8, or having 1 to 6 carbon atoms, such as tri[(C_1-C_8)-, (C_1-C_6)- or (C_1-C_4)-alkyl]silyl, for example (but not limited thereto) trimethylsilyl, triethylsilyl, tri(n-propyl)silyl, tri(isopropyl)silyl, tri(n-butyl)silyl, tri(1-methylprop-1-yl)silyl, tri(2-methylprop-1-yl)silyl, tri(1,1-dimethyleth-1-yl)silyl, tri(2,2-dimethyleth-1-yl)silyl.

“Trialkylsilylalkynyl” represents a trialkylsilyl radical bonded via an alkynyl group.

If the compounds can form, through a hydrogen shift, tautomers whose structure is not formally covered by the formula (I), these tautomers are nevertheless covered by the definition of the inventive compounds of the formula (I), unless a particular tautomer is under consideration. For example, many carbonyl compounds may be present both in the keto form and in the enol form, both forms being encompassed by the definition of the compound of the formula (I).

Depending on the nature of the substituents and the manner in which they are attached, the compounds of the general formula (I) may be present as stereoisomers. The formula (I) embraces all possible stereoisomers defined by the specific three-dimensional form thereof, such as enantiomers, diastereomers, Z and E isomers. If, for example, one or more alkenyl groups are present, diastereomers (Z and E isomers) may occur. If, for example, one or more asymmetric carbon atoms are present, enantiomers and diastereomers may occur. Stereoisomers can be obtained from the mixtures obtained in the preparation by customary separation methods. The chromatographic separation can be effected either on the analytical scale to find the enantiomeric excess or the diastereomeric excess, or else on the preparative scale to produce test specimens for biological testing. It is likewise possible to selectively prepare stereoisomers by using stereoselective reactions with use of optically active starting materials and/or auxiliaries. The invention thus also relates to all stereoisomers which are embraced by the general formula (I) but are not shown in their specific stereomeric form, and to mixtures thereof.

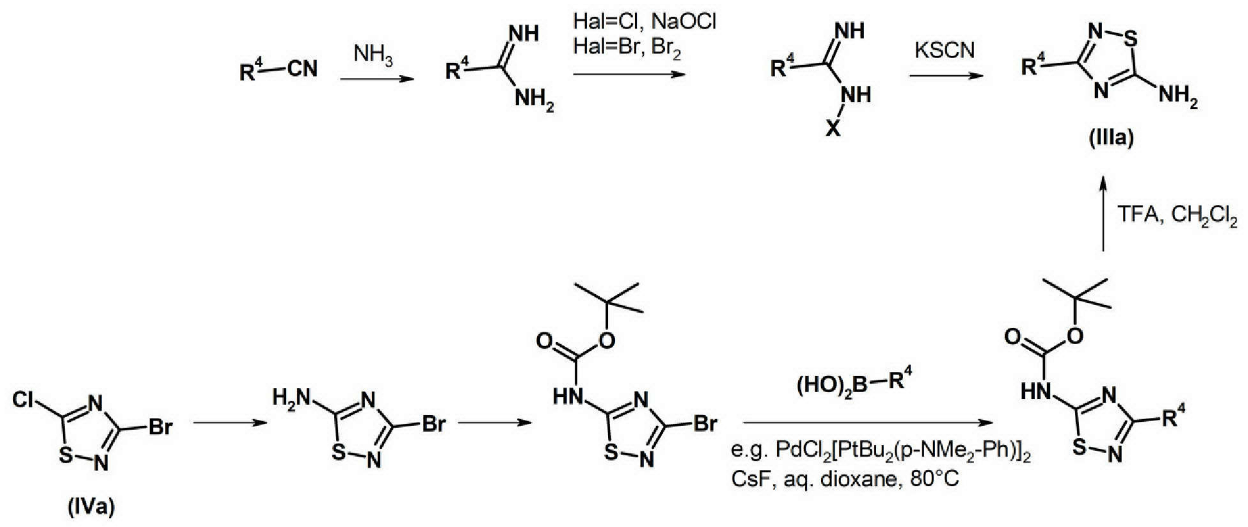
If the compounds are obtained as solids, the purification can also be carried out by recrystallization or digestion. If individual compounds (I) cannot be obtained in a satisfactory manner by the routes described below, they can be prepared by derivatization of other compounds (I).

Suitable isolation methods, purification methods and methods for separating stereoisomers of compounds of the formula (I) are methods generally known to the person skilled in the art from analogous cases, for example by physical processes such as crystallization, chromatographic methods, in particular column chromatography and HPLC (high pressure liquid chromatography), distillation, optionally under reduced pressure, extraction and other methods, any mixtures that remain can generally be separated by chromatographic separation, for example on chiral solid phases. Suitable for preparative amounts or on an industrial scale are processes such as crystallization, for example of diastereomeric salts which can be obtained from the diastereomer mixtures using optically active acids and, if appropriate, provided that acidic groups are present, using optically active bases.

Synthesis of N-heterocyclyl- and N-heteroaryltetrahydropyrimidinones of the general formula (I).

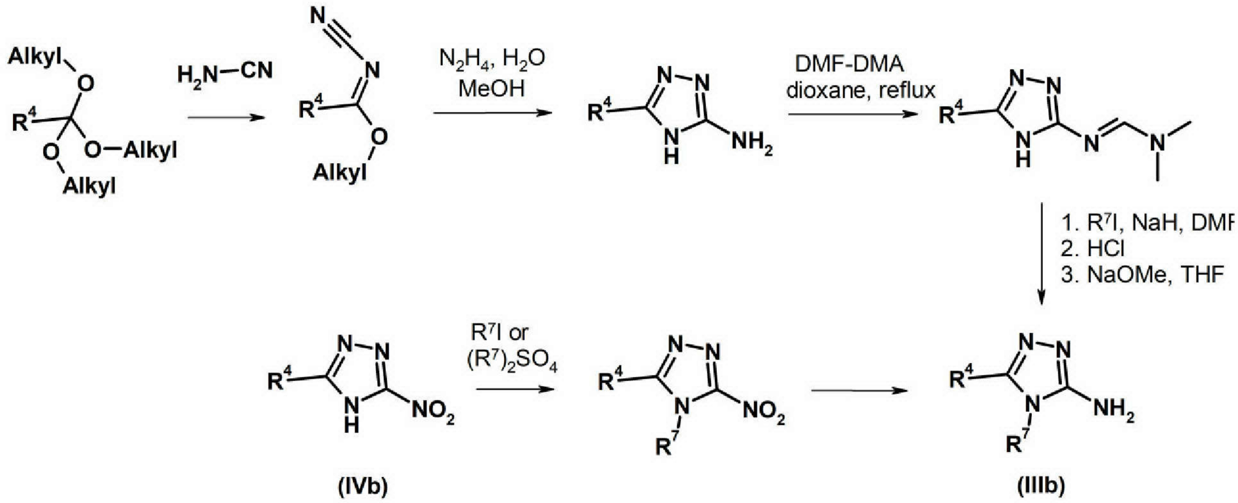
The monosubstituted N-heterocyclyl- and N-heteroaryltetrahydropyrimidinones of the general formula (I) according to the invention can be prepared using known processes. The synthesis routes used and examined proceed from commercially available or easily preparable heteroaromatic amines Q-NH_2 and from appropriately substituted aminoalkyl acetals, amino alcohols or amino acids. In the schemes which follow, the moieties Q, W, R^1, R^2, R^3, R^6 and R^9 of the general formula (I) have the meanings defined above, unless illustrative but non-limiting definitions are given.

The first key intermediate prepared for the synthesis of the inventive compounds of the general formula (I) is an optionally further-substituted heteroaromatic amine Q-NH_2. By way of example, but without limitation, this is illustrated by the synthesis of an optionally further-substituted 5-amino-1,2,4-isothiazole (III). To this end, a substituted nitrile is converted into the corresponding amidine (for example with ammonia) and, after halogenation with a suitable halogenating agent (for example sodium hypochlorite or bromine), converted into the desired 5-amino-1,2,4-isothiazole (IIIa) by reaction with potassium thiocyanate. Alternatively, bromochlorothiadiazole (IVa) can be prepared by amination, protection of the amino group (for example with (Boc)2O, where Boc represents tert-butyloxycarbonyl), subsequent transition metal-mediated coupling reaction (with a suitable transition metal catalyst such as $PdCl_2[P^tBu_2(p\text{-}NMe\text{-}Ph)]_2$) and finally acid-mediated deprotection (for example with trifluoroacetic acid = TFA) in a suitable polar-aprotic solvent (for example dichloromethane) (cf. WO2013/091539; Bioorg. Chem. 2014, 57, 90; Org. Lett. 2009, 11, 5666; WO2009/127546). In Scheme 1 below, R^4 has the meaning defined above.



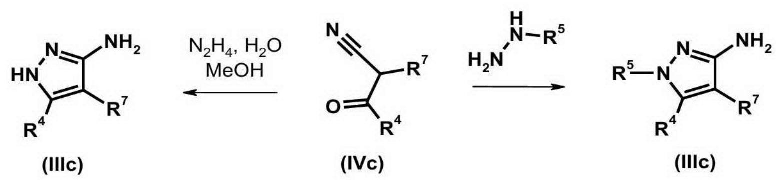
Scheme 1

The synthesis of a heteroaromatic amine Q-NH_2 is furthermore described using the example of the preparation of optionally further-substituted amino-1,2,4-triazoles (cf. Scheme 2). To this end, by way of example, but without limitation, a substituted orthoester is reacted with cyanamine, then cyclized with hydrazine and converted with N,N-dimethylformamide dimethyl acetal = DMF-DMA) into a protected amino-1,2,4-triazole which can then be converted at the ring nitrogen, using a suitable reagent (e.g. an alkyl iodide) in a suitable polar-aprotic solvent (e.g. N,N-dimethylformamide), into the corresponding N-substituted amino-1,2,4-triazole (IIIb). Alternatively, a suitable nitrotriazole (IVb) can be converted by substitution of the ring nitrogen and subsequent hydrogenation using a suitable transition metal catalyst (e.g. palladium or platinum on carbon) in a suitable solvent (e.g. acetic acid or dilute hydrochloric acid) into the desired N-substituted aminotriazole (IIIb) (cf. Synthesis 2003, 2001; Tetrahedron Lett. 2005, 46, 2469). In Scheme 2 below, R^4 and R^7 have the meanings defined above.



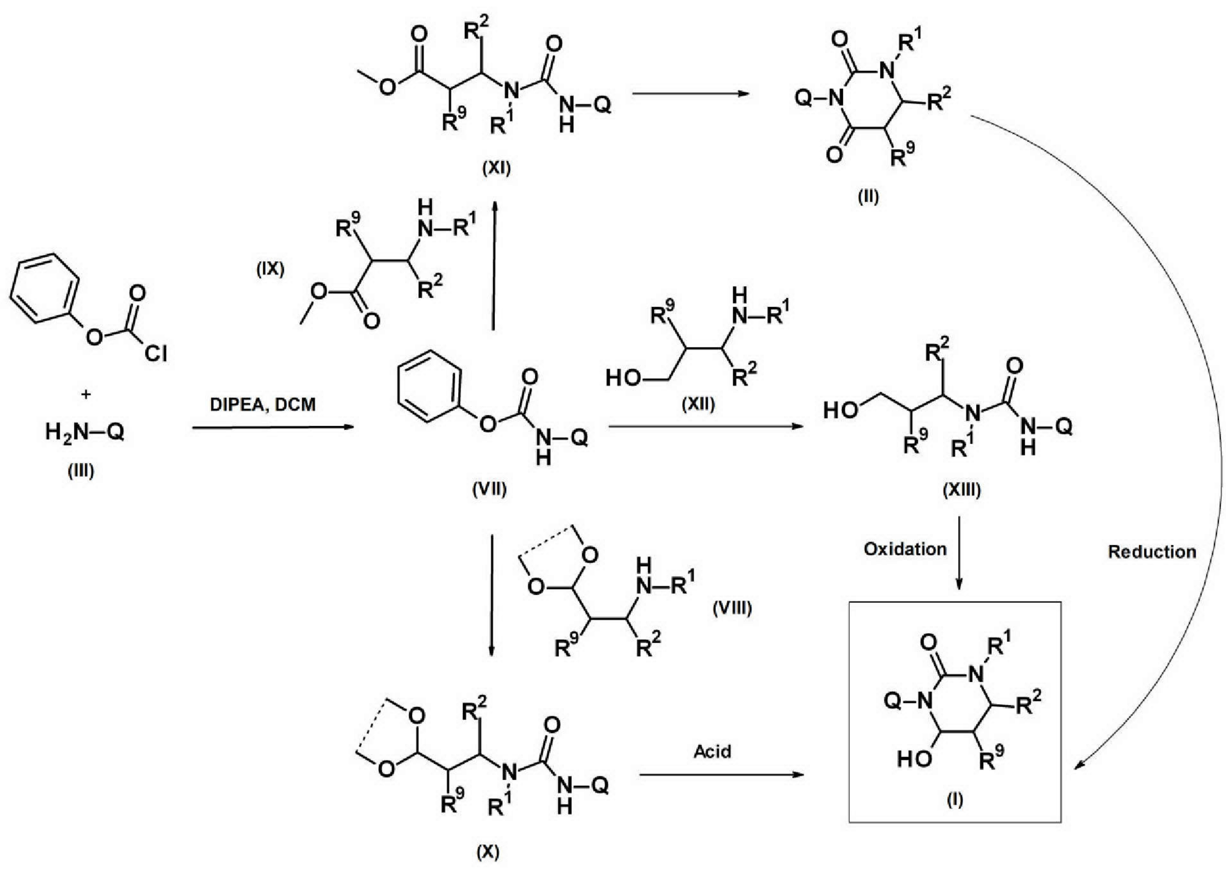
Scheme 2

The synthesis of a heteroaromatic amine Q-NH_2 can furthermore be described using the example of the preparation of optionally further-substituted aminopyrazoles (cf. Scheme 3). By reaction of an optionally substituted hydrazine or a corresponding hydrazine salt with a suitable, optionally further-substituted beta-keto nitrile (IVc) in a suitable solvent (e.g. ethanol) using a suitable base (e.g. potassium carbonate), it is possible to obtain optionally further-substituted aminopyrazoles (IIIc) (cf. J. Med. Chem. 2008, 51, 4672; J. Heterocyclic Chem. 1982, 19, 1267; WO2015/018434). In Scheme 3 below, R^4, R^5 and R^7 have the meanings defined above.



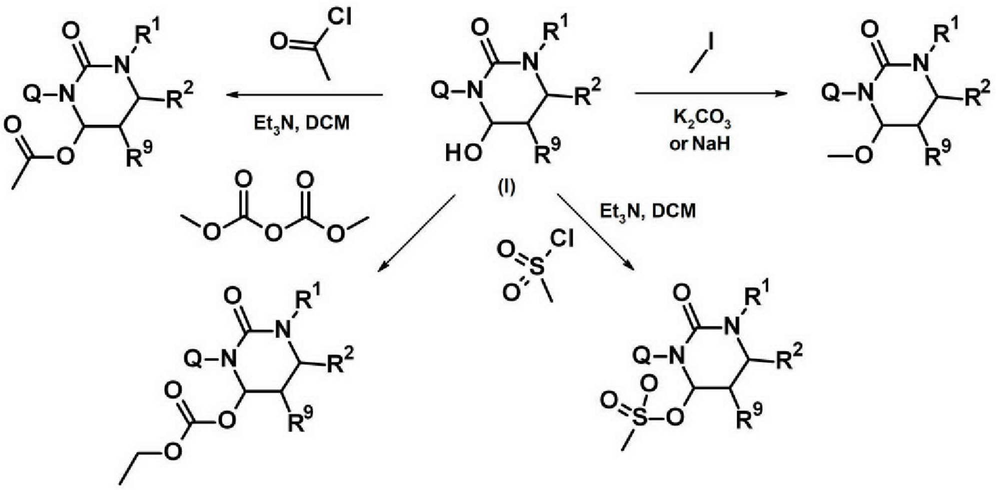
Scheme 3

Substituted N-heterocyclyl- and N-heteroaryltetrahydropyrimidinones of the general formula (I) can be prepared by reacting an optionally substituted heterocyclylamine Q-NH_2 (III) with a suitable, optionally further-substituted phenyl chloroformate or diphenyl carbonate using a suitable base (e.g. diisopropylethylamine = DIPEA) in a suitable polar-aprotic solvent (e.g. dichloromethane or tetrahydrofuran), followed by conversion of the carbamate (VII) thus formed with a suitable amine (VIII or IX) to a substituted urea (X or XI) and subsequent cyclization (cf. WO2015/097043). The amine in question may carry an acetal group or an ester group, thus allowing cyclization to the desired N-heterocyclyl- and N-heteroaryltetrahydropyrimidinone (cf. EP122761). When a corresponding amino acid is used, a reduction of the intermediate (II) is also required to obtain the desired substituted N-heterocyclyl- and N-heteroaryltetrahydropyrimidinone of the general formula (I). Alternatively, a hydroxyalkylamine (XII) can be reacted with the carbamate (VII) to give the intermediate (XIII) and converted by oxidation of the alcohol group with a suitable oxidizing agent (e.g. 2-iodoxybenzoic acid, tetrapropylammonium perruthenate, sodium chlorite, 1,1,1-triacetoxy-1,1-dihydro-1,2-benziodoxol-3(1H)-one) to the desired substituted N-heterocyclyl- and N-heteroaryltetrahydropyrimidinone of the general formula (I) (cf. WO2012/082436). Further syntheses for preparation of N-substituted tetrahydropyrimidinones are described in Heterocycles 1985, 23, 2907; J. Am. Chem. Soc. 2016, 138, 14848, US6096891. In Scheme 4 below, Q, R^1, R^2 and R^9 have the meanings defined above, R^3 of the general formula (I), by way of example, but without limitation, represents OH, and R^6, R^{14} and R^{15} of the formula (I), by way of example, but without limitation, represents hydrogen.



Scheme 4.

If N-heterocyclyl- and N-heteroaryltetrahydropyrimidinones of the general formula (I) have a free hydroxyl function, this can be acylated with suitable reagents (for example using a suitable carbonyl chloride and with the aid of a suitable base such as triethylamine in a suitable polar-aprotic solvent), sulfonylated (for example using a suitable sulfonyl chloride and with the aid of a suitable base such as triethylamine in a suitable polar-aprotic solvent), alkylated (for example using a suitable alkyl halide and with the aid of a suitable base such as potassium carbonate, cesium carbonate or sodium hydride in a suitable polar-aprotic solvent) or else converted to a carbonate or thiocarbonate (cf. WO2015/018434, EP122761, US4040812, US4006009, US3951976). In Scheme 5 below, Q, R^1, R^2 and R^9 have the meanings defined above, R^3 of the general formula (I), by way of example, but without limitation, represents OH, OCH_3, OSO_2CH_3, $OC(O)CH_3$ and $OC(O)OCH_3$ and R^6, R^{14} and R^{15} of the formula (I), by way of example, but without limitation, represents hydrogen.

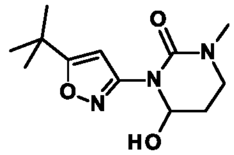


Scheme 5.

Selected detailed synthesis examples for the compounds of the general formula (I) according to the invention are given below. The example numbers mentioned correspond to the numbering scheme in Tables I.1 to I.150 below. The ^{1}H NMR,^{13}C-NMR and ^{19}F-NMR spectroscopy data reported for the chemical examples described in the sections which follow (400 MHz for ^{1}H NMR and 150 MHz for ^{13}C-NMR and 375 MHz for ^{19}F-NMR, solvent $CDCl_3$, CD_3OD or d_6-DMSO, internal standard: tetramethylsilane δ = 0.00 ppm) were obtained on a Bruker instrument, and the signals listed have the meanings given below: br = broad; s = singlet, d = doublet, t = triplet, dd = doublet of doublets, ddd = doublet of a doublet of doublets, m = multiplet, q = quartet, quint = quintet, sext = sextet, sept = septet, dq = doublet of quartets, dt = doublet of triplets. In the case of diastereomer mixtures, either the significant signals for each of the two diastereomers are reported or the characteristic signal of the main diastereomer is reported. The abbreviations used for chemical groups have, for example, the following meanings: Me = CH_3, Et = CH_2CH_3, t-Hex = $C(CH_3)_2CH(CH_3)_2$, t-Bu = $C(CH_3)_3$, n-Bu = unbranched butyl, n-Pr = unbranched propyl, i-Pr = branched propyl, c-Pr = cyclopropyl, c-Hex = cyclohexyl.

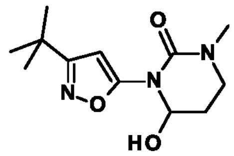
Synthesis examples:

No. I.1-162: 3-(5-tert-Butyl-1,2-oxazol-3-yl)-4-hydroxy-1-methyltetrahydropyrimidin-2(1H)-one



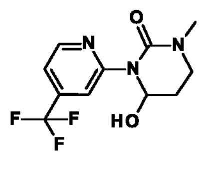
3-Amino-5-tert-butylisoxazole (2.00 g, 14.27 mmol) was dissolved in tetrahydrofuran (70 ml), and pyridine (2.31 ml, 28.53 mmol) was added. The reaction mixture was cooled to 0°C, and a solution of phenyl chloroformate (1.88 ml, 14.98 mmol) in tetrahydrofuran (30 ml) was slowly added dropwise over 15 min. The reaction mixture was stirred at 0°C for 15 min, warmed to room temperature and stirred for a further 2 h. Water and dichloromethane were added to the reaction solution, which was extracted. The combined organic phases were dried over sodium sulfate and concentrated under reduced pressure. Phenyl *N*-[5-tert-butylisoxazol-3-yl]carbamate (3.50 g, 94% of theory) was obtained as a colorless solid. ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.05 (s, 1H, NH), 7.49-7.44 (m, 2H), 7.34-7.27 (m, 3H), 6.56 (s, 1H), 1.32 (s, 9H). Phenyl *N*-[5-tert-butylisoxazol-3-yl]carbamate (3.50 g, 13.45 mmol) was then dissolved, without further purification, in dichloromethane (50 ml), and 2-(1,3-dioxolan-2-yl)-N-methylethanamine (2.12 g, 16.14 mmol) and triethylamine (3.75 ml, 26.89 mmol) were added. The reaction mixture was stirred at room temperature for 7 h. On completion of conversion, dichloromethane and water were added to the reaction mixture, which was extracted thoroughly. The organic phase was washed with water, dried over sodium sulfate, filtered and concentrated. The crude product was subsequently purified by column chromatography (ethyl acetate/heptane gradient), and 1-[(1,3-dioxolan-2-yl)eth-2-yl]-1-methyl-3-[5-tert-butylisoxazol-3-yl]urea (3.40 g, 83% of theory) was obtained as a colorless oil. ^{1}H-NMR ($CDCl_3$ δ, ppm) 8.09 (br. S, 1H, NH), 6.58 (s, 1H), 4.94 (t, 1H), 4.07-4.04 (m, 2H), 3.95-3.91 (m, 2H), 3.50-3.46 (m, 2H), 3.00 (s, 3H), 2.02-1.97 (m, 2H), 1.32 (s, 9H). 1-[(1,3-Dioxolan-2-yl)eth-2-yl]-1-methyl-3-[5-tert-butylisoxazol-3-yl]urea (2.00 g, 6.73 mmol) was dissolved in water (80 ml) and conc. hydrochloric acid (11.45 ml) and stirred at room temperature for 6 h. The solid formed was filtered off with suction, dried thoroughly and finally purified by column chromatography (ethyl acetate/heptane gradient), and 3-(5-tert-butyl-1,2-oxazol-3-yl)-4-hydroxy-1-methyltetrahydropyrimidin-2(1H)-one (1.25 g, 72% of theory) was obtained as a colorless solid. ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.63 (s, 1H), 5.71 (m, 1H), 4.32 (m, 1H), 3.83-3.75 (m, 1H), 3.18-3.13 (m, 1H), 3.04 (s, 3H), 2.17-2.10 (m, 2H), 1.32 (s, 9H).

No. I.1-290: 3-(3-tert-Butyl-1,2-oxazol-5-yl)-4-hydroxy-1-methyltetrahydropyrimidin-2(1H)-one



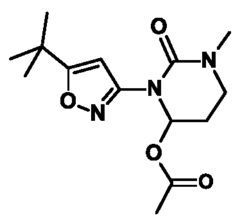
3-tert-Butyl-1,2-oxazol-5-amine (2.00 g, 14.27 mmol) was dissolved in tetrahydrofuran (70 ml), and pyridine (2.31 ml, 28.53 mmol) was added. The reaction mixture was cooled to 0°C, and a solution of phenyl chloroformate (1.88 ml, 14.98 mmol) in tetrahydrofuran (30 ml) was slowly added dropwise over 15 min. The reaction mixture was stirred at 0°C for 15 min, warmed to room temperature and stirred for a further 2 h. Water and dichloromethane were added to the reaction solution, which was extracted. The combined organic phases were dried over sodium sulfate and concentrated under reduced pressure. Phenyl (3-tert-butyl-1,2-oxazol-5-yl)carbamate (3.59 g, 95% of theory) was obtained as a colorless solid. ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.07 (s, 1H, NH), 7.51-7.43 (m, 2H), 7.34-7.25 (m, 3H), 6.09 (s, 1H), 1.31 (s, 9H). Phenyl (3-tert-butyl-1,2-oxazol-5-yl)carbamate (3.50 g, 13.45 mmol) was then dissolved, without further purification, in dichloromethane (50 ml), and 2-(1,3-dioxolan-2-yl)-N-methylethanamine (1.76 g, 13.45 mmol) and triethylamine (3.75 ml, 26.89 mmol) were added. The reaction mixture was stirred at room temperature for 12 h. On completion of conversion, dichloromethane and water were added to the reaction mixture, which was extracted thoroughly. The organic phase was washed with water, dried over sodium sulfate, filtered and concentrated. The crude product was subsequently purified by column chromatography (ethyl acetate/heptane gradient), and 3-(3-tert-butyl-1,2-oxazol-5-yl)-1-[2-(1,3-dioxolan-2-yl)ethyl]-1-methylurea (2.30 g, 56% of theory) was obtained as a colorless oil. ^{1}H-NMR ($CDCl_3$ δ, ppm) 8.62 (br. s, 1H, NH), 6.09 (s, 1H), 4.94 (t, 1H), 4.13-4.08 (m, 2H), 3.99-3.93 (m, 2H), 3.49-3.46 (m, 2H), 3.00 (s, 3H), 2.08-2.02 (m, 2H), 1.31 (s, 9H). 3-(3-tert-Butyl-1,2-oxazol-5-yl)-1-[2-(1,3-dioxolan-2-yl)ethyl]-1-methylurea (2.30 g, 7.74 mmol) was dissolved in water (50 ml) and conc. hydrochloric acid (6.58 ml) and stirred at room temperature for 2 h. The solid formed was filtered off with suction, dried thoroughly and finally purified by column chromatography (ethyl acetate/heptane gradient), and 3-(5-tert-butyl-1,2-oxazol-3-yl)-4-hydroxy-1-methyltetrahydropyrimidin-2(1H)-one (0.70 g, 35% of theory) was obtained as a colorless solid. ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.24 (s, 1H), 5.90 (m, 1H), 4.49 (m, 1H), 3.88-3.80 (m, 1H), 3.23-3.17 (m, 1H), 3.06 (s, 3H), 2.15-2.10 (m, 2H), 1.29 (s, 9H).

No. I.1-449: 4-Hydroxy-1-methyl-3-[4-(trifluoromethyl)pyridin-2-yl]tetrahydropyrimidin-2(1H)-one



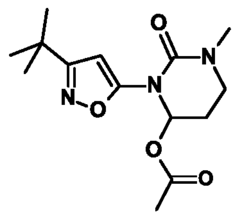
4-(Trifluoromethyl)pyridin-2-amine (9.70 g, 59.84 mmol) was dissolved in tetrahydrofuran (120 ml), and pyridine (9.68 ml, 119.67 mmol) was added. The reaction mixture was cooled to 0°C, and a solution of phenyl chloroformate (7.88 ml, 62.83 mmol) in tetrahydrofuran (30 ml) was slowly added dropwise over 15 min. The reaction mixture was stirred at 0°C for 15 min, warmed to room temperature and stirred at room temperature for one hour. Water and dichloromethane were added to the reaction solution, which was extracted. The combined organic phases were dried over sodium sulfate and concentrated under reduced pressure. Phenyl *N*-[4-(trifluoromethyl)pyridin-2-yl]carbamate (14.00 g, 81% of theory) was obtained as a colorless solid. ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 9.54 (s, 1H, NH), 8.56 (d, 1H), 8.37 (s, 1H), 7.48-7.42 (m, 2H), 7.33-7.21 (m, 4H). Phenyl *N*-[4-(trifluoromethyl)pyridin-2-yl]carbamate (2.10 g, 7.44 mmol) was then dissolved, without further purification, in dichloromethane (100 ml), and 3-(methylamino)-propan-1-ol (0.99 g, 11.16 mmol) and triethylamine (2.07 ml, 14.88 mmol) were added. The reaction mixture was stirred at room temperature for 12 h. On completion of conversion, dichloromethane and water were added to the reaction mixture, which was extracted thoroughly. The organic phase was washed with water, dried over sodium sulfate, filtered and concentrated. The crude product was subsequently purified by column chromatography (ethyl acetate/heptane gradient), and 1-(3-hydroxypropyl)-1-methyl-3-[4-(trifluoromethyl)pyridin-2-yl]urea (2.00 g, 67% of theory) was obtained as a colorless oil. ^{1}H-NMR ($CDCl_3$ δ, ppm) 8.34 (s, 1H), 8.33 (d, 1H), 8.18 (br. s, 1H, NH), 7.13 (s, 1H), 3.74-3.69 (m, 2H), 3.59-3.54 (m, 2H), 3.03 (s, 3H), 1.84-1.78 (m, 2H). 1-(3-Hydroxypropyl)-1-methyl-3-[4-(trifluoromethyl)pyridin-2-yl]urea (1.50 g, 5.41 mmol) was dissolved in dimethyl sulfoxide (50 ml), 1-hydroxy-1,2-benziodoxol-3-one 1-oxide (6.73 g, 10.82 mmol) was added, and the mixture was stirred at room temperature for 8 h. Water and dichloromethane were added to the reaction mixture, which was extracted thoroughly. The combined organic phases were dried over sodium sulfate, filtered and concentrated under reduced pressure. Final purification by column chromatography of the resulting crude product (ethyl acetate/heptane gradient) gave 4-hydroxy-1-methyl-3-[4-(trifluoromethyl)pyridin-2-yl]tetrahydropyrimidin-2(1H)-one (1.00 g, 64% of theory) as a colorless solid. ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.44 (d, 1H), 8.14 (s, 1H), 7.23 (d, 1H), 5.68 (m, 1H), 5.15 (br. m, 1H), 3.89-3.83 (m, 1H), 3.28-3.22 (m, 1H), 3.07 (s, 3H), 2.23-2.15 (m, 2H).

No. I.2-162: 3-(5-tert-Butyl-1,2-oxazol-3-yl)-1-methyl-2-oxohexahydropyrimidin-4-yl acetate



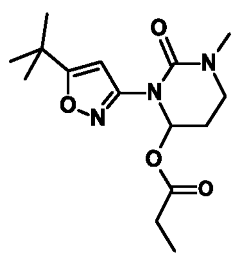
3-(5-tert-Butyl-1,2-oxazol-3-yl)-4-hydroxy-1-methyltetrahydropyrimidin-2(1H)-one (520 mg, 2.05 mmol, 1.0 equiv) was dissolved in pyridine (18.18 ml), 4-dimethylaminopyridine (13 mg, 0.10 mmol) and acetic anhydride (0.23 ml, 2.46 mmol) were added, and the mixture was stirred at room temperature for 6 h. Thereafter, the reaction mixture was concentrated under reduced pressure and, by purification by column chromatography (ethyl acetate/heptane gradient) of the resulting residue, 3-(5-tert-butyl-1,2-oxazol-3-yl)-1-methyl-2-oxohexahydropyrimidin-4-yl acetate was isolated in the form of a colorless oil (420 mg, 68% of theory). ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.83 (m, 1H), 6.60 (s, 1H), 3.78-3.62 (m, 1H), 3.27-3.21 (m, 1H), 3.06 (s, 3H), 2.26-2.21 (m, 2H), 2.09 (s, 3H), 1.32 (s, 9H).

No. I.2-290: 3-(3-tert-Butyl-1,2-oxazol-5-yl)-1-methyl-2-oxohexahydropyrimidin-4-yl acetate



3-(3-tert-Butyl-1,2-oxazol-5-yl)-4-hydroxy-1-methyltetrahydropyrimidin-2(1H)-one (200 mg, 0.79 mmol, 1.0 equiv) was dissolved in pyridine (50.00 ml), 4-dimethylaminopyridine (5 mg, 0.04 mmol) and acetic anhydride (97 mg, 0.95 mmol) were added, and the mixture was stirred at room temperature for 6 h. Thereafter, the reaction mixture was concentrated under reduced pressure and, by purification by column chromatography (ethyl acetate/heptane gradient) of the resulting residue, 3-(3-tert-butyl-1,2-oxazol-5-yl)-1-methyl-2-oxohexahydropyrimidin-4-yl acetate was isolated in the form of a colorless oil (200 mg, 86% of theory). ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.79 (m, 1H), 6.25 (s, 1H), 3.69-3.61 (m, 1H), 3.29-3.23 (m, 1H), 3.08 (s, 3H), 2.30-2.24 (m, 2H), 2.09 (s, 3H), 1.31 (s, 9H).

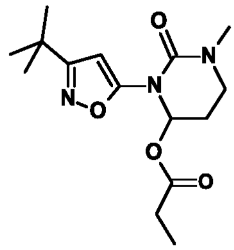
No. I.3-162: 3-(5-tert-Butyl-1,2-oxazol-3-yl)-1-methyl-2-oxohexahydropyrimidin-4-yl propionate



3-(5-tert-Butyl-1,2-oxazol-3-yl)-4-hydroxy-1-methyltetrahydropyrimidin-2(1H)-one (200 mg, 0.79 mmol, 1.0 equiv) was dissolved in dichloromethane (20 ml), triethylamine (0.12 ml, 0.87 mmol) and propionyl chloride (80 mg, 0.87 mmol) were added, and the mixture was stirred at room temperature for

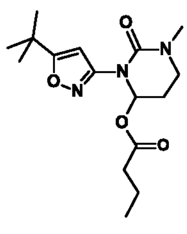
16 h and at a temperature of 40°C for 1 h. After cooling to room temperature, water and dichloromethane were added to the reaction mixture and the mixture was extracted thoroughly. The combined organic phases were washed with water, dried over sodium sulfate, filtered and concentrated under reduced pressure. By purification by column chromatography (ethyl acetate/heptane gradient) of the resulting residue, 3-(5-tert-butyl-1,2-oxazol-3-yl)-1-methyl-2-oxohexahydropyrimidin-4-yl propionate was isolated in the form of a colorless oil (130 mg, 52% of theory). ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.83 (m, 1H), 6.59 (s, 1H), 3.69-3.60 (m, 1H), 3.26-3.19 (m, 1H), 3.06 (s, 3H), 2.38 (m, 1H), 2.36 (m, 1H), 2.27-2.21 (m, 2H), 1.31 (s, 9H), 1.15 (t, 3H). ^{13}C-NMR (150 MHz, $CDCl_3$ δ, ppm) 180.7; 173.1; 160.3; 151.8; 95.3; 78.8; 42.9; 36.0; 28.6; 27.6; 26.1; 8.9.

No. I.3-290: 3-(3-tert-Butyl-1,2-oxazol-5-yl)-1-methyl-2-oxohexahydropyrimidin-4-yl propionate



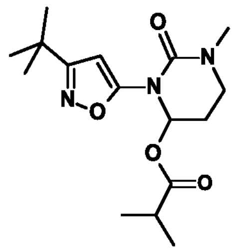
3-(3-tert-Butyl-1,2-oxazol-5-yl)-4-hydroxy-1-methyltetrahydropyrimidin-2(1H)-one (200 mg, 0.79 mmol, 1.0 equiv) was dissolved in dichloromethane (20 ml), triethylamine (0.12 ml, 0.87 mmol) and propionyl chloride (80 mg, 0.87 mmol) were added, and the mixture was stirred at room temperature for 16 h and at a temperature of 40°C for 1 h. After cooling to room temperature, water and dichloromethane were added to the reaction mixture and the mixture was extracted thoroughly. The combined organic phases were washed with water, dried over sodium sulfate, filtered and concentrated under reduced pressure. By purification by column chromatography (ethyl acetate/heptane gradient) of the resulting residue, 3-(3-tert-butyl-1,2-oxazol-5-yl)-1-methyl-2-oxohexahydropyrimidin-4-yl propionate was isolated in the form of a colorless oil (190 mg, 78% of theory). ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.78 (m, 1H), 6.24 (s, 1H), 3.68-3.60 (m, 1H), 3.27-3.22 (m, 1H), 3.08 (s, 3H), 2.43-2.31 (m, 2H), 2.28-2.22 (m, 2H), 1.31 (s, 9H), 1.13 (t, 3H).

No. I.4-162: 3-(5-tert-Butyl-1,2-oxazol-3-yl)-1-methyl-2-oxohexahydropyrimidin-4-yl butyrate



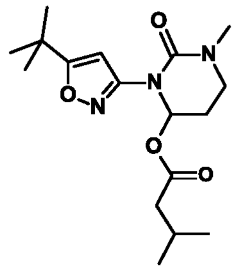
3-(5-tert-Butyl-1,2-oxazol-3-yl)-4-hydroxy-1-methyltetrahydropyrimidin-2(1H)-one (200 mg, 0.79 mmol, 1.0 equiv) was dissolved in dichloromethane (20 ml), triethylamine (0.12 ml, 0.87 mmol) and butyryl chloride (0.09 ml, 0.87 mmol) were added, and the mixture was stirred at room temperature for 16 h and at a temperature of 40°C for 1 h. After cooling to room temperature, water and dichloromethane were added to the reaction mixture and the mixture was extracted thoroughly. The combined organic phases were washed with water, dried over sodium sulfate, filtered and concentrated under reduced pressure. By purification by column chromatography (ethyl acetate/heptane gradient) of the resulting residue, 3-(5-tert-butyl-1,2-oxazol-3-yl)-1-methyl-2-oxohexahydropyrimidin-4-yl butyrate was isolated in the form of a colorless oil (220 mg, 86% of theory). ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.85 (m, 1H), 6.58 (s, 1H), 3.67-3.59 (m, 1H), 3.30-3.19 (m, 1H), 3.06 (s, 3H), 2.38-2-30 (m, 2H), 2.28-2.21 (m, 2H), 1.69-1.63 (m, 2H), 1.31 (s, 9H), 0.93 (t, 3H).

No. I.5-290: 3-(3-tert-Butyl-1,2-oxazol-5-yl)-1-methyl-2-oxohexahydropyrimidin-4-yl 2-methylpropanoate



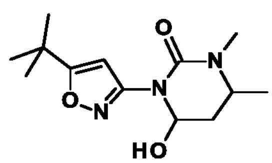
3-(3-tert-Butyl-1,2-oxazol-5-yl)-4-hydroxy-1-methyltetrahydropyrimidin-2(1H)-one (200 mg, 0.79 mmol, 1.0 equiv) was dissolved in dichloromethane (50 ml), triethylamine (0.12 ml, 0.87 mmol) and butyryl chloride (93 mg, 0.87 mmol) were added, and the mixture was stirred at room temperature for 16 h and at a temperature of 40°C for 1 h. After cooling to room temperature, water and dichloromethane were added to the reaction mixture and the mixture was extracted thoroughly. The combined organic phases were washed with water, dried over sodium sulfate, filtered and concentrated under reduced pressure. By purification by column chromatography (ethyl acetate/heptane gradient) of the resulting residue, 3-(3-tert-butyl-1,2-oxazol-5-yl)-1-methyl-2-oxohexahydropyrimidin-4-yl 2-methylpropanoate was isolated in the form of a colorless oil (200 mg, 86% of theory). ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.74 (m, 1H), 6.23 (s, 1H), 3.67-3.58 (m, 1H), 3.28-3.22 (m, 1H), 3.08 (s, 3H), 2.61-2.53 (sept, 1H), 2.28-2.23 (m, 2H), 1.30 (s, 9H), 1.17 (d, 3H), 1.15 (d, 3H).

No. I.7-162: 3-(5-tert-Butyl-1,2-oxazol-3-yl)-1-methyl-2-oxohexahydropyrimidin-4-yl 3-methylbutanoate



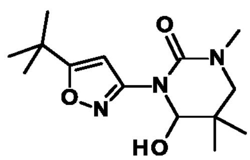
3-(5-tert-Butyl-1,2-oxazol-3-yl)-4-hydroxy-1-methyltetrahydropyrimidin-2(1H)-one (200 mg, 0.79 mmol, 1.0 equiv) was dissolved in dichloromethane (20 ml), triethylamine (0.12 ml, 0.87 mmol) and 3-methylbutanoyl chloride (0.11 ml, 0.87 mmol) were added, and the mixture was stirred at room temperature for 16 h and at a temperature of 40°C for 1 h. After cooling to room temperature, water and dichloromethane were added to the reaction mixture and the mixture was extracted thoroughly. The combined organic phases were washed with water, dried over sodium sulfate, filtered and concentrated under reduced pressure. By purification by column chromatography (ethyl acetate/heptane gradient) of the resulting residue, 3-(5-tert-butyl-1,2-oxazol-3-yl)-1-methyl-2-oxohexahydropyrimidin-4-yl 3-methylbutanoate was isolated in the form of a colorless oil (260 mg, 93% of theory). ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.88 (m, 1H), 6.57 (s, 1H), 3.68-3.59 (m, 1H), 3.30-3.21 (m, 1H), 3.06 (s, 3H), 2.32-2-22 (m, 2H), 2.21-2.07 (m, 2H), 1.60 (m, 1H), 1.31 (s, 9H), 0.94 (t, 3H).

No. I.41-162: 1-(5-tert-Butyl-1,2-oxazol-3-yl)-6-hydroxy-3,4-dimethyltetrahydropyrimidin-2(1H)-one



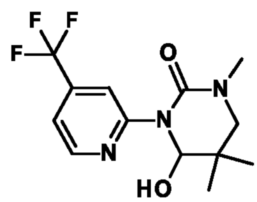
3-Amino-5-tert-butylisoxazole (2.00 g, 14.27 mmol) was dissolved in tetrahydrofuran (70 ml), and pyridine (2.31 ml, 28.53 mmol) was added. The reaction mixture was cooled to 0°C, and a solution of phenyl chloroformate (1.88 ml, 14.98 mmol) in tetrahydrofuran (30 ml) was slowly added dropwise over 15 min. The reaction mixture was stirred at 0°C for 15 min, warmed to room temperature and stirred for a further 2 h. Water and dichloromethane were added to the reaction solution, which was extracted. The combined organic phases were dried over sodium sulfate and concentrated under reduced pressure. Phenyl *N*-[5-tert-butylisoxazol-3-yl]carbamate (2.50 g, 67% of theory) was obtained as a colorless solid. ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.05 (s, 1H, NH), 7.49-7.44 (m, 2H), 7.34-7.27 (m, 3H), 6.56 (s, 1H), 1.32 (s, 9H). Phenyl *N*-[5-tert-butylisoxazol-3-yl]carbamate (2.50 g, 9.61 mmol) was then dissolved, without further purification, in dichloromethane (100 ml), and 3-(methylamino)-1-butanol (1.00 g, 9.61 mmol) and triethylamine (2.68 ml, 19.21 mmol) were added. The reaction mixture was stirred at room temperature for 7 h. On completion of conversion, dichloromethane and water were added to the reaction mixture, which was extracted thoroughly. The organic phase was washed with water, dried over sodium sulfate, filtered and concentrated. The crude product was subsequently purified by column chromatography (ethyl acetate/heptane gradient), and 3-(5-tert-butyl-1,2-oxazol-3-yl)-1-(4-hydroxybutan-2-yl)-1-methylurea (2.20 g, 83% of theory) was obtained as a colorless, highly viscous oil. ^{1}H-NMR ($CDCl_3$ δ, ppm) 8.25 (br. s, 1H, NH), 6.58 (s, 1H), 4.55 (m, 1H), 3.71-3.64 (m, 1H), 3.53-3.46 (m, 1H), 2.84 (s, 3H), 1.83-1.72 (m, 1H), 1.64-1.55 (m, 1H), 1.32 (s, 9H), 1.25 (d, 3H). 3-(5-tert-Butyl-1,2-oxazol-3-yl)-1-(4-hydroxybutan-2-yl)-1-methylurea (2.00 g, 7.43 mmol) was dissolved in dimethyl sulfoxide (100 ml), 1-hydroxy-1,2-benziodoxol-3-one 1-oxide (3.12 g, 11.14 mmol) was added, and the mixture was stirred at room temperature for 8 h. Water and dichloromethane were added to the reaction mixture, which was extracted thoroughly. The combined organic phases were dried over sodium sulfate, filtered and concentrated under reduced pressure. Final purification of the resulting crude product by column chromatography (ethyl acetate/heptane gradient) gave 1-(5-tert-butyl-1,2-oxazol-3-yl)-6-hydroxy-3,4-dimethyltetrahydropyrimidin-2(1H)-one (1.05 g, 53% of theory) in the form of a separable stereoisomer mixture (stereoisomer 1: 1.05 g, 53% of theory; stereoisomer 2: 700 mg, 35% of theory). Stereoisomer 1: ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.72 (s, 1H), 5.73 (m, 1H), 4.56 (m, 1H), 3.58-3.52 (m, 1H), 3.03 (s, 3H), 2.53-2.27 (m, 2H), 2.14-2.09 (m, 1H), 1.32 (s, 9H). Stereoisomer 2: ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.60 (s, 1H), 5.68 (m, 1H), 4.38 (m, 1H), 3.83-3.77 (m, 1H), 3.02 (s, 3H), 2.23-2.18 (m, 2H), 2.02-1.93 (m, 1H), 1.32 (s, 9H).

No. I.61-162: 1-(5-tert-Butyl-1,2-oxazol-3-yl)-6-hydroxy-3,5,5-trimethyltetrahydropyrimidin-2(1H)-one



3-Amino-5-tert-butylisoxazole (2.00 g, 14.27 mmol) was dissolved in tetrahydrofuran (70 ml), and pyridine (2.31 ml, 28.53 mmol) was added. The reaction mixture was cooled to 0°C, and a solution of phenyl chloroformate (1.88 ml, 14.98 mmol) in tetrahydrofuran (30 ml) was slowly added dropwise over 15 min. The reaction mixture was stirred at 0°C for 15 min, warmed to room temperature and stirred for a further 2 h. Water and dichloromethane were added to the reaction solution, which was extracted. The combined organic phases were dried over sodium sulfate and concentrated under reduced pressure. Phenyl *N*-[5-tert-butylisoxazol-3-yl]carbamate (2.50 g, 67% of theory) was obtained as a colorless solid. ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.05 (s, 1H, NH), 7.49-7.44 (m, 2H), 7.34-7.27 (m, 3H), 6.56 (s, 1H), 1.32 (s, 9H). Phenyl *N*-[5-tert-butylisoxazol-3-yl]carbamate (2.30 g, 8.84 mmol) was then dissolved, without further purification, in dichloromethane (100 ml), and 2,2-dimethyl-3-(methylamino)propan-1-ol (1.04 g, 8.84 mmol) and triethylamine (2.46 ml, 17.67 mmol) were added. The reaction mixture was stirred at room temperature for 7 h. On completion of conversion, dichloromethane and water were added to the reaction mixture, which was extracted thoroughly. The organic phase was washed with water, dried over sodium sulfate, filtered and concentrated. The crude product was subsequently purified by column chromatography (ethyl acetate/heptane gradient), and 3-(5-tert-butyl-1,2-oxazol-3-yl)-1-(3-hydroxy-2,2-dimethylpropyl)-1-methylurea (2.20 g, 86% of theory) was obtained as a colorless, highly viscous oil. ^{1}H-NMR ($CDCl_3$ δ, ppm) 8.05 (br. s, 1H, NH), 6.61 (s, 1H), 3.50-3.28 (br. s, 1H, OH), 3.25-3.19 (m, 2H), 3.12-3.08 (m, 2H), 3.05 (s, 3H), 1.32 (s, 9H), 0.95 (s, 6H). 3-(5-tert-Butyl-1,2-oxazol-3-yl)-1-(3-hydroxy-2,2-dimethylpropyl)-1-methylurea (2.00 g, 7.06 mmol) was dissolved in dimethyl sulfoxide (100 ml), 1-hydroxy-1,2-benziodoxol-3-one 1-oxide (2.96 g, 10.59 mmol) was added, and the mixture was stirred at room temperature for 16 h. Water and dichloromethane were added to the reaction mixture, which was extracted thoroughly. The combined organic phases were dried over sodium sulfate, filtered and concentrated under reduced pressure. Final purification by column chromatography of the resulting crude product (ethyl acetate/heptane gradient) gave 1-(5-tert-butyl-1,2-oxazol-3-yl)-6-hydroxy-3,5,5-trimethyltetrahydropyrimidin-2(1H)-one (1.70 g, 77% of theory) as a colorless solid. ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.63 (s, 1H), 5.18 (m, 1H), 4.12 (br. m, 1H), 3.63 (d, 1H), 3.02 (s, 3H), 2.72 (d, 1H), 1.33 (s, 9H), 1.13 (s, 3H), 1.12 (s, 3H).

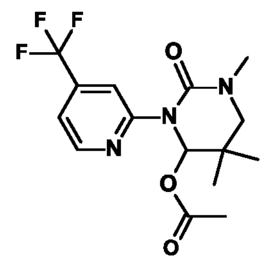
No. I.61-449: 1-[4-(trifluoromethyl)pyridin-2-yl]-6-hydroxy-3,5,5-trimethyltetrahydropyrimidin-2(1H)-one



4-(Trifluoromethyl)pyridin-2-amine (9.70 g, 59.84 mmol) was dissolved in tetrahydrofuran (120 ml), and pyridine (9.68 ml, 119.67 mmol) was added. The reaction mixture was cooled to 0°C, and a solution of phenyl chloroformate (7.88 ml, 62.83 mmol) in tetrahydrofuran (30 ml) was slowly added dropwise over 15 min. The reaction mixture was stirred at 0°C for 15 min, warmed to room temperature and stirred at room temperature for one hour. Water and dichloromethane were added to the reaction solution, which was extracted. The combined organic phases were dried over sodium sulfate and concentrated under reduced pressure. Phenyl *N*-[4-(trifluoromethyl)pyridin-2-yl]carbamate (14.00 g, 81% of theory) was obtained as a colorless solid. ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 9.59 (s, 1H, NH), 8.56 (d, 1H), 8.38 (s, 1H), 7.48-7.42 (m, 2H), 7.33-7.21 (m, 4H). Phenyl *N*-[4-(trifluoromethyl)pyridin-2-yl]carbamate (2.00 g, 7.09 mmol) was then dissolved, without further purification, in dichloromethane

(40 ml), and 2,2-dimethyl-3-(methylamino)propan-1-ol (0.91 g, 7.79 mmol) and triethylamine (2.47 ml, 17.72 mmol) were added. The reaction mixture was stirred at room temperature for 14 h. On completion of conversion, dichloromethane and water were added to the reaction mixture, which was extracted thoroughly. The organic phase was washed with water, dried over sodium sulfate, filtered and concentrated. The crude product was subsequently purified by column chromatography (ethyl acetate/heptane gradient), and 3-[4-(Trifluoromethyl)pyridin-2-yl]-1-(3-hydroxy-2,2-dimethylpropyl)-1-methylurea (2.10 g, 95% of theory) was obtained as a colorless solid. ^{1}H-NMR ($CDCl_3$ δ, ppm) 8.38 (m, 1H), 8.34 (m, 1H), 7.13 (m, 1H), 4.40-3.50 (br. s, 1H), 3.38-3.24 (m, 4H), 3.12 (s, 3H), 0.96 (s, 6H). 3-[4-(Trifluoromethyl)pyridin-2-yl]-1-(3-hydroxy-2,2-dimethylpropyl)-1-methylurea (300 mg, 0.98 mmol) was dissolved in dimethyl sulfoxide (10 ml), 1-hydroxy-1,2-benziodoxol-3-one 1-oxide (917 mg, 1.47 mmol, 1.5 equiv., 45% pure) was added, and the mixture was stirred at room temperature for 2 h. Water and dichloromethane were added to the reaction mixture, which was extracted thoroughly. The combined organic phases were dried over sodium sulfate, filtered and concentrated under reduced pressure. Final purification by column chromatography of the resulting crude product (ethyl acetate/heptane gradient) gave 1-[4-(trifluoromethyl)pyridin-2-yl]-6-hydroxy-3,5,5-trimethyltetrahydropyrimidin-2(1H)-one (200 mg, 60% of theory) as a colorless solid. ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.43 (m, 1H), 8.11 (m, 1H), 7.23 (m, 1H), 5.10 (m, 1H), 4.90 (br. s, 1H), 3.71 (d, 1H), 3.05 (s, 3H), 2.81 (d, 1H), 1.16 (s, 3H), 1.14 (s, 3H).

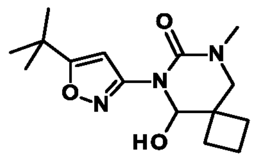
No. I.62-449: 1-[4-(trifluoromethyl)pyridin-2-yl]-6-acetyloxy-3,5,5-trimethyltetrahydropyrimidin-2(1H)-one



3-[4-(Trifluoromethyl)pyridin-2-yl]-1-(3-hydroxy-2,2-dimethylpropyl)-1-methylurea (150 mg, 0.49 mmol) was dissolved in dichloromethane (10 ml), 1,1,1-tris(acetyloxy)-1,1-dihydro-1,2-benziodoxol-3-(1H)-one (312 mg, 0.74 mmol) was added, and the mixture was stirred at room temperature for 2 h. Water and dichloromethane were added to the reaction mixture, which was extracted thoroughly. The combined organic phases were dried over sodium sulfate, filtered and concentrated under reduced pressure. Final purification by column chromatography of the resulting crude product (ethyl acetate/heptane gradient) gave 1-[4-(trifluoromethyl)pyridin-2-yl]-6-acetyloxy-3,5,5-trimethyltetrahydropyrimidin-2(1H)-one (63 mg, 36% of theory) as a colorless solid. ^{1}H-NMR (400

MHz, $CDCl_3$ δ, ppm) 8.49 (m, 1H), 8.05 (m, 1H), 7.21 (m, 1H), 6.78 (m, 1H), 3.56 (d, 1H), 3.08 (s, 3H), 2.87 (d, 1H), 2.05 (s, 3H), 1.25 (s, 3H), 1.06 (s, 3H). ^{13}C-NMR (150 MHz, $CDCl_3$ δ, ppm) 169.7, 154.5; 152.5; 148.4; 139.1; 125.5-120.1; 116.2; 115.4; 84.1; 55.7; 36.2; 32.8; 23.3; 22.8; 21.0.

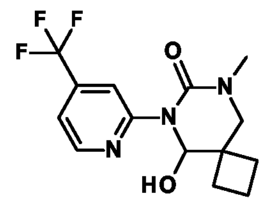
No. I.81-162: 6-(5-tert-Butyl-1,2-oxazol-3-yl)-5-hydroxy-8-methyl-6,8-diazaspiro[3.5]nonan-7-one



3-Amino-5-tert-butylisoxazole (2.00 g, 14.27 mmol) was dissolved in tetrahydrofuran (70 ml), and pyridine (2.31 ml, 28.53 mmol) was added. The reaction mixture was cooled to 0°C, and a solution of phenyl chloroformate (1.88 ml, 14.98 mmol) in tetrahydrofuran (30 ml) was slowly added dropwise over 15 min. The reaction mixture was stirred at 0°C for 15 min, warmed to room temperature and stirred for a further 2 h. Water and dichloromethane were added to the reaction solution, which was extracted. The combined organic phases were dried over sodium sulfate and concentrated under reduced pressure. Phenyl *N*-[5-tert-butylisoxazol-3-yl]carbamate (2.50 g, 67% of theory) was obtained as a colorless solid. ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.05 (s, 1H, NH), 7.49-7.44 (m, 2H), 7.34-7.27 (m, 3H), 6.56 (s, 1H), 1.32 (s, 9H). Phenyl *N*-[5-tert-butylisoxazol-3-yl]carbamate (2.20 g, 8.45 mmol) was then dissolved, without further purification, in dichloromethane (100 ml), and {1-[(methylamino)methyl]cyclobutyl}methanol (1.04 g, 8.84 mmol) and triethylamine (2.36 ml, 16.90 mmol) were added. The reaction mixture was stirred at room temperature for 14 h. On completion of conversion, dichloromethane and water were added to the reaction mixture, which was extracted thoroughly. The organic phase was washed with water, dried over sodium sulfate, filtered and concentrated. The crude product was subsequently purified by column chromatography (ethyl acetate/heptane gradient), and 3-(5-tert-butyl-1,2-oxazol-3-yl)-1-{[1-(hydroxymethyl)cyclobutyl]methyl}-1-methylurea (2.30 g, 90% of theory) was obtained as a colorless, highly viscous oil. ^{1}H-NMR ($CDCl_3$ δ, ppm) 8.60-8.05 (br. s, 1H, NH), 6.58 (s, 1H), 4.60-4.40 (br. s, 1H, OH), 3.71-3.64 (m, 2H), 3.44 (m, 2H), 3.05 (s, 3H), 2.08-1.98 (m, 1H), 1.95-1.71 (m, 5 H), 1.31 (s, 9H). 3-(5-tert-Butyl-1,2-oxazol-3-yl)-1-{[1-(hydroxymethyl)cyclobutyl]methyl}-1-methylurea (2.00 g, 6.77 mmol) was dissolved in dimethyl sulfoxide (100 ml), 1-hydroxy-1,2-benziodoxol-3-one 1-oxide (2.84 g, 10.16 mmol) was added, and the mixture was stirred at room temperature for 16 h. Water and dichloromethane were added to the reaction mixture, which was extracted thoroughly. The combined organic phases were dried over sodium sulfate, filtered and concentrated under reduced pressure. Final purification by column chromatography of the resulting crude product (ethyl acetate/heptane gradient) gave 6-(5-tert-butyl-1,2-oxazol-3-yl)-5-hydroxy-8-methyl-6,8-diazaspiro[3.5]nonan-7-one (0.80 g, 39%

of theory) as a colorless solid. ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.63 (s, 1H), 5.56 (m, 1H), 4.04 (br. m, 1H), 3.77 (d, 1H), 3.12 (d, 1H), 3.04 (s, 3H), 2.25-2.19 (m, 1H), 2.05-1.92 (m, 4H), 1.85-1.80 (m, 1H), 1.33 (s, 9H).

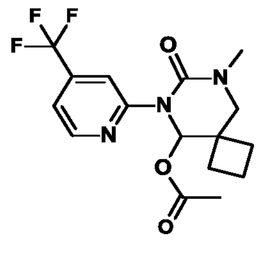
No. I.81-449: 6-[4-(Trifluoromethyl)pyridin-2-yl]-5-hydroxy-8-methyl-6,8-diazaspiro[3.5]nonan-7-one



4-(Trifluoromethyl)pyridin-2-amine (9.70 g, 59.84 mmol) was dissolved in tetrahydrofuran (120 ml), and pyridine (9.68 ml, 119.67 mmol) was added. The reaction mixture was cooled to 0°C, and a solution of phenyl chloroformate (7.88 ml, 62.83 mmol) in tetrahydrofuran (30 ml) was slowly added dropwise over 15 min. The reaction mixture was stirred at 0°C for 15 min, warmed to room temperature and stirred at room temperature for one hour. Water and dichloromethane were added to the reaction solution, which was extracted. The combined organic phases were dried over sodium sulfate and concentrated under reduced pressure. Phenyl *N*-[4-(trifluoromethyl)pyridin-2-yl]carbamate (14.00 g, 81% of theory) was obtained as a colorless solid. ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 9.59 (s, 1H, NH), 8.56 (d, 1H), 8.38 (s, 1H), 7.48-7.42 (m, 2H), 7.33-7.21 (m, 4H). Phenyl *N*-[4-(trifluoromethyl)pyridin-2-yl]carbamate (2.00 g, 7.09 mmol) was then dissolved, without further purification, in dichloromethane (40 ml), and {1-[(methylamino)methyl]cyclobutyl}methanol (1.01 g, 7.79 mmol) and triethylamine (2.47 ml, 17.72 mmol) were added. The reaction mixture was stirred at room temperature for 14 h. On completion of conversion, dichloromethane and water were added to the reaction mixture, which was extracted thoroughly. The organic phase was washed with water, dried over sodium sulfate, filtered and concentrated. The crude product was subsequently purified by column chromatography (ethyl acetate/heptane gradient), and 3-[4-(Trifluoromethyl)pyridin-2-yl]-1-{[1-(hydroxymethyl)cyclobutyl]methyl}-1-methylurea (2.50 g, 95% of theory) was obtained as a colorless solid. ^{1}H-NMR ($CDCl_3$ δ, ppm) 8.35-8.30 (m, 3H), 7.13 (m, 1H), 4.02-3.73 (br. s, 1H, OH), 3.68-3.62 (m, 2H), 3.49 (s, 2H), 3.07 (s, 3H), 2.05-1.79 (m, 6H). 3-[4-(Trifluoromethyl)pyridin-2-yl]-1-{[1-(hydroxymethyl)cyclobutyl]methyl}-1-methylurea (150 mg, 0.47 mmol) was dissolved in dimethyl sulfoxide (10 ml), 1-hydroxy-1,2-benziodoxol-3-one 1-oxide (0.94 mmol, 2.0 equiv.) was added, and the mixture was stirred at room temperature for 8 h. Water and dichloromethane were added to the reaction mixture, which was extracted thoroughly. The combined organic phases were dried over sodium sulfate, filtered and concentrated under reduced pressure. Final purification by column chromatography of the resulting crude product (ethyl acetate/heptane gradient) gave 6-[4-(trifluoromethyl)pyridin-2-yl]-5-hydroxy-8-methyl-6,8-diazaspiro[3.5]nonan-7-one (140 mg, 74% of theory) as a colorless solid. ^{1}H-

NMR (400 MHz, $CDCl_3$ δ, ppm) 8.45 (m, 1H), 8.14 (m, 1H), 7.23 (m, 1H), 5.51 (m, 1H), 4.82 (m, 1H), 3.81 (d, 1H), 3.20 (d, 1H), 3.05 (s, 3H), 2.25-2.20 (m, 1H), 2.05-1.85 (m, 5H).

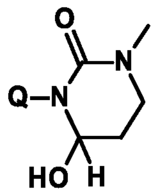
No. I.82-449: 8-Methyl-7-oxo-6-[4-(trifluoromethyl)pyridin-2-yl]-6,8-diazaspiro[3.5]nonan-5-yl acetate



4-(Trifluoromethyl)pyridin-2-amine (9.70 g, 59.84 mmol) was dissolved in tetrahydrofuran (120 ml), and pyridine (9.68 ml, 119.67 mmol) was added. The reaction mixture was cooled to 0°C, and a solution of phenyl chloroformate (7.88 ml, 62.83 mmol) in tetrahydrofuran (30 ml) was slowly added dropwise over 15 min. The reaction mixture was stirred at 0°C for 15 min, warmed to room temperature and stirred at room temperature for one hour. Water and dichloromethane were added to the reaction solution, which was extracted. The combined organic phases were dried over sodium sulfate and concentrated under reduced pressure. Phenyl *N*-[4-(trifluoromethyl)pyridin-2-yl]carbamate (14.00 g, 81% of theory) was obtained as a colorless solid. ^1H-NMR (400 MHz, $CDCl_3$ δ, ppm) 9.59 (s, 1H, NH), 8.56 (d, 1H), 8.38 (s, 1H), 7.48-7.42 (m, 2H), 7.33-7.21 (m, 4H). Phenyl *N*-[4-(trifluoromethyl)pyridin-2-yl]carbamate (2.00 g, 7.09 mmol) was then dissolved, without further purification, in dichloromethane (40 ml), and {1-[(methylamino)methyl]cyclobutyl}methanol (1.01 g, 7.79 mmol) and triethylamine (2.47 ml, 17.72 mmol) were added. The reaction mixture was stirred at room temperature for 14 h. On completion of conversion, dichloromethane and water were added to the reaction mixture, which was extracted thoroughly. The organic phase was washed with water, dried over sodium sulfate, filtered and concentrated. The crude product was subsequently purified by column chromatography (ethyl acetate/heptane gradient), and 3-[4-(trifluoromethyl)pyridin-2-yl]-1-{[1-(hydroxymethyl)cyclobutyl]methyl}-1-methylurea (2.50 g, 95% of theory) was obtained as a colorless solid. ^1H-NMR ($CDCl_3$ δ, ppm) 8.35-8.30 (m, 3H), 7.13 (m, 1H), 4.02-3.73 (br. s, 1H, OH), 3.68-3.62 (m, 2H), 3.49 (s, 2H), 3.07 (s, 3H), 2.05-1.79 (m, 6H). 3-[4-(Trifluoromethyl)pyridin-2-yl]-1-{[1-(hydroxy-methyl)cyclobutyl]methyl}-1-methylurea (150 mg, 0.47 mmol) was dissolved in dichloromethane (10 ml), 1,1,1-tris(acetyloxy)-1,1-dihydro-1,2-benziodoxol-3-(1H)-one (301 mg, 0.71 mmol) and sodium hydrogencarbonate (1.5 equiv.) were added, and the mixture was stirred at room temperature for 2 h. Water and dichloromethane were added to the reaction mixture, which was extracted thoroughly. The combined organic phases were dried over sodium sulfate, filtered and concentrated under reduced pressure. Final purification by column chromatography of the resulting crude product (ethyl acetate/heptane gradient) gave 8-methyl-7-oxo-6-[4-(trifluoromethyl)pyridin-2-yl]-

6,8-diazaspiro[3.5]nonan-5-yl acetate (70 mg, 37% of theory) as a colorless solid. ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.51 (m, 1H), 8.06 (m, 1H), 7.22 (m, 1H), 7.14 (m, 1H), 3.67 (m, 1H), 3.27 (m, 1H), 3.09 (s, 3H), 2.30-2.18 (m, 1H), 2.15-1.90 (m, 7H), 1.82-1.71 (m, 1H).

In analogy to the preparation examples cited above and recited at the appropriate point, and taking account of the general details relating to the preparation of substituted N-heterocyclyl- and N-heteroaryltetrahydropyrimidinones, the compounds cited below are obtained. If in Table 1 a structural element is defined by a structural formula containing a broken line, this broken line means that at this position the group in question is attached to the remainder of the molecule.



(I.1)

Table I.1: Preferred compounds of the formula (I.1) are the compounds I.1-1 to I.1-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.1-1 to I.1-718 of Table I.1 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.

Table 1:

No.	Q
1	Q-1.1
2	Q-1.2
3	Q-1.3
4	Q-1.4
5	Q-1.5
6	Q-1.6
7	Q-1.7
8	Q-1.8
9	Q-1.9
10	Q-1.10
11	Q-1.11
12	Q-1.12
13	Q-1.13
14	Q-1.14

No.	Q
15	Q-1.15
16	Q-1.16
17	Q-1.17
18	Q-1.18
19	Q-1.19
20	Q-1.20
21	Q-2.1
22	Q-2.2
23	Q-2.3
24	Q-2.4
25	Q-2.5
26	Q-2.6
27	Q-2.7
28	Q-2.8
29	Q-2.9
30	Q-2.10
31	Q-2.11
32	Q-2.12
33	Q-2.13
34	Q-2.14
35	Q-2.15
36	Q-2.16
37	Q-2.17
38	Q-2.18
39	Q-2.19
40	Q-2.20
41	Q-3.1
42	Q-3.2
43	Q-3.3
44	Q-3.4
45	Q-3.5
46	Q-3.6
47	Q-3.7
48	Q-3.8

No.	Q
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54	Q-3.14
55	Q-3.15
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57	Q-3.17
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60	Q-3.20
61	Q-3.21
62	Q-3.22
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66	Q-3.26
67	Q-3.27
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76	Q-4.6
77	Q-4.7
78	Q-4.8
79	Q-4.9
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81	Q-4.11
82	Q-4.12

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90	Q-4.20
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92	Q-5.2
93	Q-5.3
94	Q-5.4
95	Q-5.5
96	Q-5.6
97	Q-5.7
98	Q-5.8
99	Q-5.9
100	Q-5.10
101	Q-5.11
102	Q-5.12
103	Q-5.13
104	Q-5.14
105	Q-5.15
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108	Q-5.18
109	Q-5.19
110	Q-5.20
111	Q-6.1
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113	Q-6.3
114	Q-6.4
115	Q-6.5
116	Q-6.6

No.	Q
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133	Q-6.23
134	Q-6.24
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161	Q-8.6
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217	Q-8.62
218	Q-8.63

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227	Q-8.72
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229	Q-8.74
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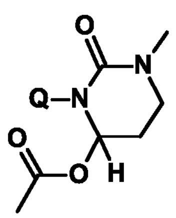
616	Q-24.3
617	Q-24.4
618	Q-24.5
619	Q-24.6
620	Q-24.7
621	Q-24.8
622	Q-24.9
623	Q-24.10
624	Q-24.11
625	Q-24.12
626	Q-24.13

No.	Q
627	Q-24.14
628	Q-24.15
629	Q-24.16
630	Q-24.17
631	Q-24.18
632	Q-24.19
633	Q-24.20
634	Q-25.1
635	Q-25.2
636	Q-25.3
637	Q-25.4
638	Q-25.5
639	Q-25.6
640	Q-25.7
641	Q-25.8
642	Q-25.9
643	Q-25.10
644	Q-25.11
645	Q-25.12
646	Q-25.13
647	Q-25.14
648	Q-25.15
649	Q-25.16
650	Q-25.17
651	Q-25.18
652	Q-25.19
653	Q-25.20
654	Q-25.21
655	Q-25.22
656	Q-25.23
657	Q-25.24
658	Q-25.25
659	Q-25.26
660	Q-25.27

No.	Q
661	Q-25.28
662	Q-25.29
663	Q-25.30
664	Q-25.31
665	Q-25.32
666	Q-25.33
667	Q-25.34
668	Q-25.35
669	Q-25.36
670	Q-25.37
671	Q-25.38
672	Q-25.39
673	Q-25.40
674	Q-25.41
675	Q-25.42
676	Q-25.43
677	Q-25.44
678	Q-25.45
679	Q-26.1
680	Q-26.2
681	Q-26.3
682	Q-26.4
683	Q-26.5
684	Q-26.6
685	Q-26.7
686	Q-26.8
687	Q-26.9
688	Q-26.10
689	Q-26.11
690	Q-26.12
691	Q-26.13
692	Q-26.14
693	Q-26.15
694	Q-12.26

No.	Q
695	Q-12.27
696	Q-12.28
697	Q-12.29
698	Q-12.30
699	Q-27.1
700	Q-27.2
701	Q-27.3
702	Q-27.4
703	Q-27.5
704	Q-28.1
705	Q-28.2
706	Q-28.3
707	Q-28.4
708	Q-28.5
709	Q-30.1
710	Q-30.2
711	Q-30.3
712	Q-30.4
713	Q-30.5
714	Q-20.1
715	Q-20.2
716	Q-20.3
717	Q-20.4
718	Q-20.5



(I.2)

Table I.2: Preferred compounds of the formula (I.2) are the compounds I.2-1 to I.2-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.2-1 to I.2-718 of Table I.2 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.

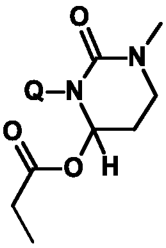
 (I.3)

Table I.3: Preferred compounds of the formula (I.3) are the compounds I.3-1 to I.3-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.3-1 to I.3-718 of Table I.3 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.

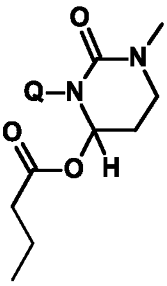
 (I.4)

Table I.4: Preferred compounds of the formula (I.4) are the compounds I.4-1 to I.4-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.4-1 to I.4-718 of Table I.4 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.

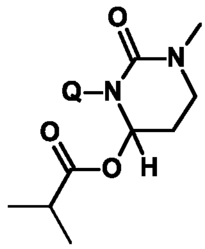
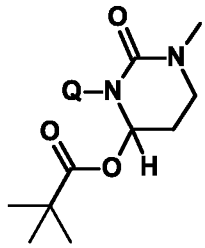
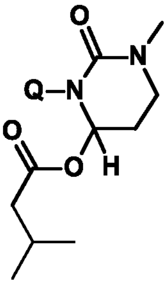
 (I.5)

Table I.5: Preferred compounds of the formula (I.5) are the compounds I.5-1 to I.5-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.5-1 to I.5-718 of Table I.5 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



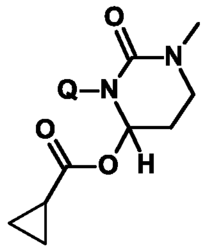
(I.6)

Table I.6: Preferred compounds of the formula (I.6) are the compounds I.6-1 to I.6-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.6-1 to I.6-718 of Table I.6 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



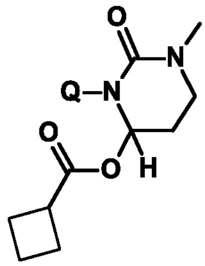
(I.7)

Table I.7: Preferred compounds of the formula (I.7) are the compounds I.7-1 to I.7-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.7-1 to I.7-718 of Table I.7 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



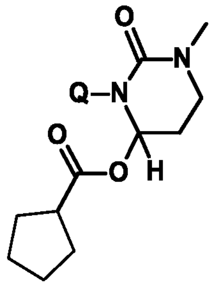
(I.8)

Table I.8: Preferred compounds of the formula (I.8) are the compounds I.8-1 to I.8-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.8-1 to I.8-718 of Table I.8 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



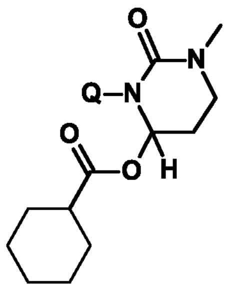
(I.9)

Table I.9: Preferred compounds of the formula (I.9) are the compounds I.9-1 to I.9-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.9-1 to I.9-718 of Table I.9 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



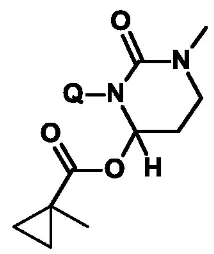
(I.10)

Table I.10: Preferred compounds of the formula (I.10) are the compounds I.10-1 to I.10-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.10-1 to I.10-718 of Table I.10 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



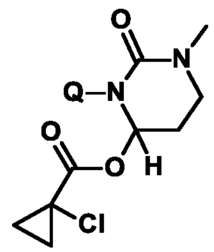
(I.11)

Table I.11: Preferred compounds of the formula (I.11) are the compounds I.11-1 to I.11-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.11-1 to I.11-718 of Table I.11 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



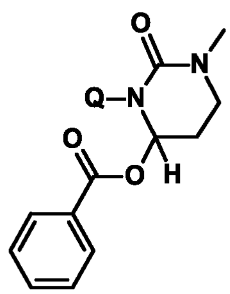
(I.12)

Table I.12: Preferred compounds of the formula (I.12) are the compounds I.12-1 to I.12-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.12-1 to I.12-718 of Table I.12 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



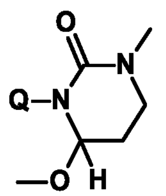
(I.13)

Table I.13: Preferred compounds of the formula (I.13) are the compounds I.13-1 to I.13-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.13-1 to I.13-718 of Table I.13 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



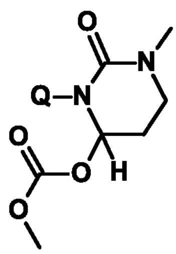
(I.14)

Table I.14: Preferred compounds of the formula (I.14) are the compounds I.14-1 to I.14-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.14-1 to I.14-718 of Table I.14 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



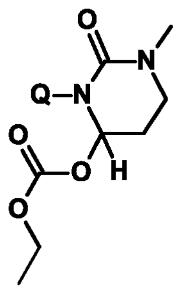
(I.15)

Table I.15: Preferred compounds of the formula (I.15) are the compounds I.15-1 to I.15-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.15-1 to I.15-718 of Table I.15 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



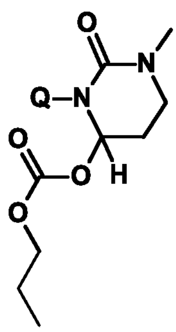
(I.16)

Table I.16: Preferred compounds of the formula (I.16) are the compounds I.16-1 to I.16-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.16-1 to I.16-718 of Table I.16 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



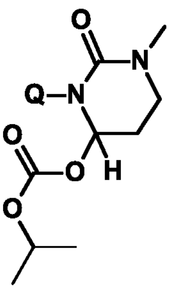
(I.17)

Table I.17: Preferred compounds of the formula (I.17) are the compounds I.17-1 to I.17-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.17-1 to I.17-718 of Table I.17 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



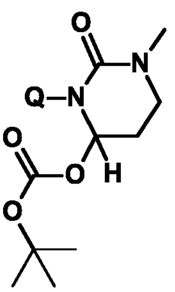
(I.18)

Table I.18: Preferred compounds of the formula (I.18) are the compounds I.18-1 to I.18-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.18-1 to I.18-718 of Table I.18 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



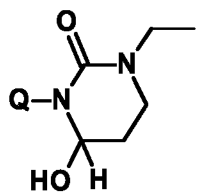
(I.19)

Table I.19: Preferred compounds of the formula (I.19) are the compounds I.19-1 to I.19-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.19-1 to I.19-718 of Table I.19 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



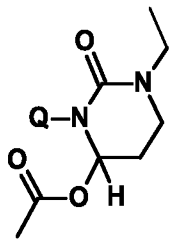
(I.20)

Table I.20: Preferred compounds of the formula (I.20) are the compounds I.20-1 to I.20-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.20-1 to I.20-718 of Table I.20 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



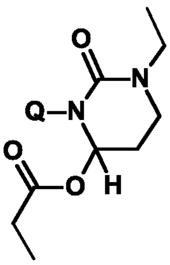
(I.21)

Table I.21: Preferred compounds of the formula (I.21) are the compounds I.21-1 to I.21-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.21-1 to I.21-718 of Table I.1 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



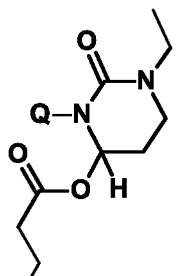
(I.2)

Table I.22: Preferred compounds of the formula (I.22) are the compounds I.22-1 to I.22-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.22-1 to I.22-718 of Table I.22 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



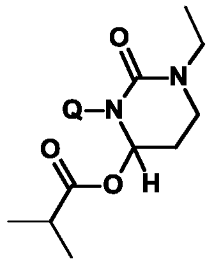
(I.23)

Table I.23: Preferred compounds of the formula (I.23) are the compounds I.23-1 to I.23-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.23-1 to I.23-718 of Table I.23 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



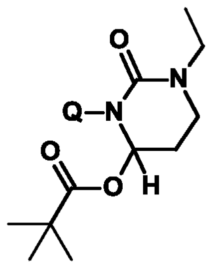
(I.24)

Table I.24: Preferred compounds of the formula (I.24) are the compounds I.24-1 to I.24-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.24-1 to I.24-718 of Table I.24 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



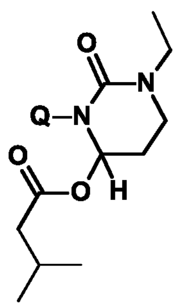
(I.25)

Table I.25: Preferred compounds of the formula (I.25) are the compounds I.25-1 to I.25-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.25-1 to I.25-718 of Table I.25 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



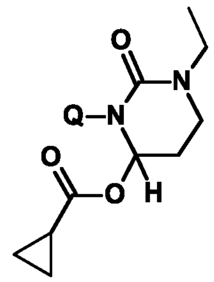
(I.26)

Table I.26: Preferred compounds of the formula (I.26) are the compounds I.26-1 to I.26-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.26-1 to I.26-718 of Table I.26 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



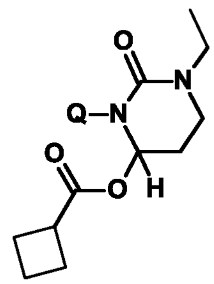
(I.27)

Table I.27: Preferred compounds of the formula (I.27) are the compounds I.27-1 to I.27-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.27-1 to I.27-718 of Table I.27 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



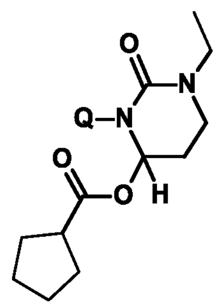
(I.28)

Table I.28: Preferred compounds of the formula (I.28) are the compounds I.28-1 to I.28-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.28-1 to I.28-718 of Table I.28 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



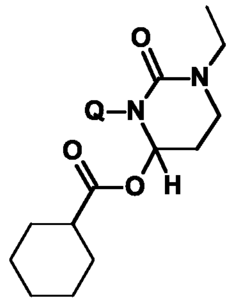
(I.29)

Table I.29: Preferred compounds of the formula (I.29) are the compounds I.29-1 to I.29-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.29-1 to I.29-718 of Table I.29 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



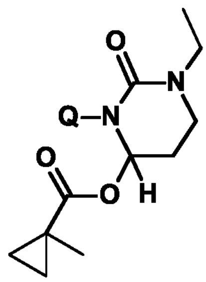
(I.30)

Table I.30: Preferred compounds of the formula (I.30) are the compounds I.30-1 to I.30-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.30-1 to I.30-718 of Table I.30 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



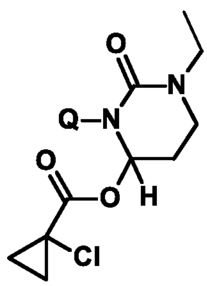
(I.31)

Table I.31: Preferred compounds of the formula (I.31) are the compounds I.31-1 to I.31-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.31-1 to I.31-718 of Table I.31 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



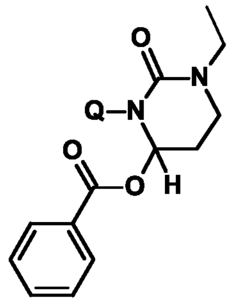
(I.32)

Table I.32: Preferred compounds of the formula (I.32) are the compounds I.32-1 to I.32-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.32-1 to I.32-718 of Table I.32 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



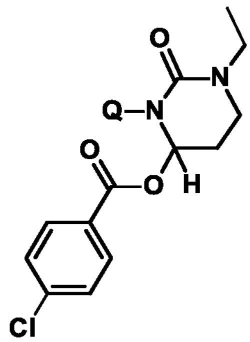
(I.33)

Table I.33: Preferred compounds of the formula (I.33) are the compounds I.33-1 to I.33-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.33-1 to I.33-718 of Table I.33 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



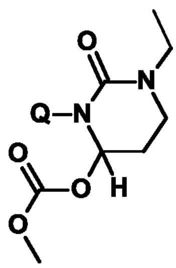
(I.34)

Table I.34: Preferred compounds of the formula (I.34) are the compounds I.34-1 to I.34-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.34-1 to I.34-718 of Table I.34 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



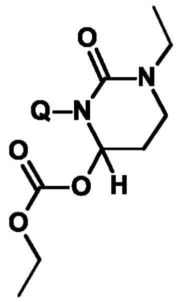
(I.35)

Table I.35: Preferred compounds of the formula (I.35) are the compounds I.35-1 to I.35-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.35-1 to I.35-718 of Table I.35 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



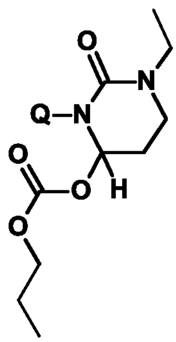
(I.36)

Table I.36: Preferred compounds of the formula (I.36) are the compounds I.36-1 to I.36-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.36-1 to I.36-718 of Table I.36 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



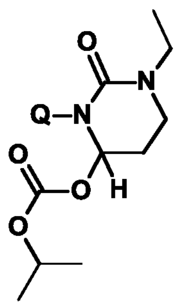
(I.37)

Table I.37: Preferred compounds of the formula (I.37) are the compounds I.37-1 to I.37-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.37-1 to I.37-718 of Table I.37 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



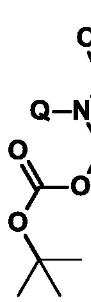
(I.38)

Table I.38: Preferred compounds of the formula (I.38) are the compounds I.38-1 to I.38-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.38-1 to I.38-718 of Table I.38 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



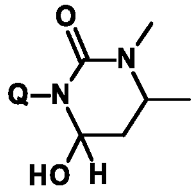
(I.39)

Table I.39: Preferred compounds of the formula (I.39) are the compounds I.39-1 to I.39-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.39-1 to I.39-718 of Table I.39 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



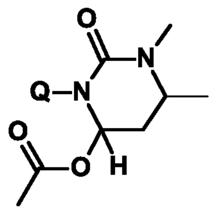
(I.40)

Table I.40: Preferred compounds of the formula (I.40) are the compounds I.40-1 to I.40-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.40-1 to I.40-718 of Table I.40 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



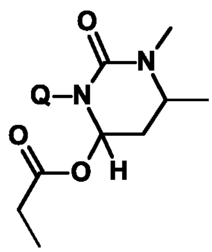
(I.41)

Table I.41: Preferred compounds of the formula (I.41) are the compounds I.41-1 to I.41-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.41-1 to I.41-718 of Table I.1 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



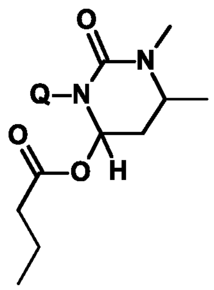
(I.42)

Table I.42: Preferred compounds of the formula (I.42) are the compounds I.42-1 to I.42-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.42-1 to I.42-718 of Table I.42 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



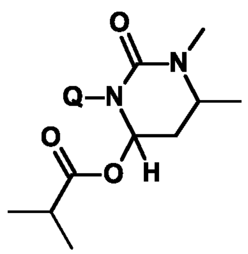
(I.43)

Table I.43: Preferred compounds of the formula (I.43) are the compounds I.43-1 to I.43-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.43-1 to I.43-718 of Table I.43 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



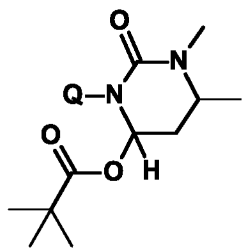
(I.44)

Table I.44: Preferred compounds of the formula (I.44) are the compounds I.44-1 to I.44-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.44-1 to I.44-718 of Table I.44 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



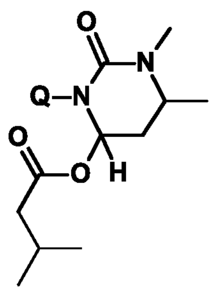
(I.45)

Table I.45: Preferred compounds of the formula (I.45) are the compounds I.45-1 to I.45-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.45-1 to I.45-718 of Table I.45 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



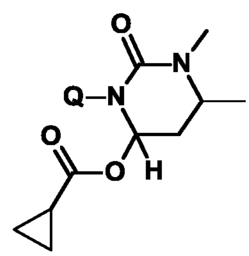
(I.46)

Table I.46: Preferred compounds of the formula (I.46) are the compounds I.46-1 to I.46-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.46-1 to I.46-718 of Table I.46 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



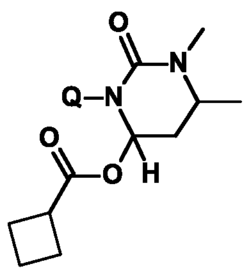
(I.47)

Table I.47: Preferred compounds of the formula (I.47) are the compounds I.47-1 to I.47-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.47-1 to I.47-718 of Table I.47 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



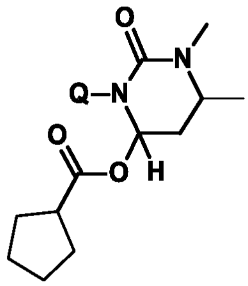
(I.48)

Table I.48: Preferred compounds of the formula (I.48) are the compounds I.48-1 to I.48-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.48-1 to I.48-718 of Table I.48 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



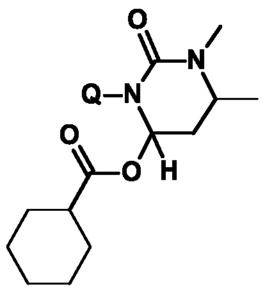
(I.49)

Table I.49: Preferred compounds of the formula (I.49) are the compounds I.49-1 to I.49-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.49-1 to I.49-718 of Table I.49 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



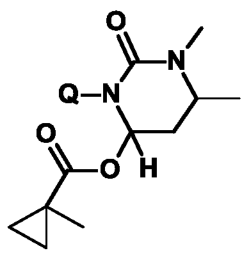
(I.50)

Table I.50: Preferred compounds of the formula (I.50) are the compounds I.50-1 to I.50-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.50-1 to I.50-718 of Table I.50 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



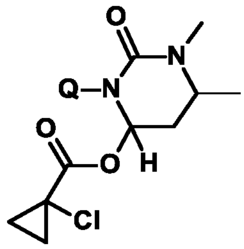
(I.51)

Table I.51: Preferred compounds of the formula (I.51) are the compounds I.51-1 to I.51-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.51-1 to I.51-718 of Table I.51 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



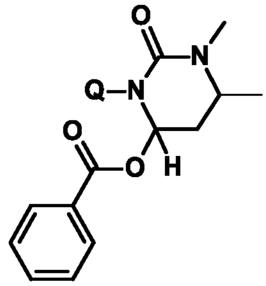
(I.52)

Table I.52: Preferred compounds of the formula (I.52) are the compounds I.52-1 to I.52-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.52-1 to I.52-718 of Table I.52 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



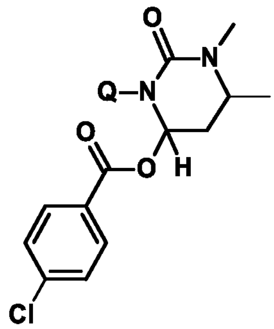
(I.53)

Table I.53: Preferred compounds of the formula (I.53) are the compounds I.53-1 to I.53-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.53-1 to I.53-718 of Table I.53 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



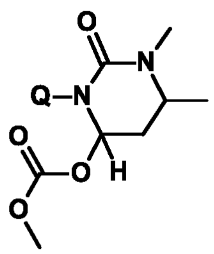
(I.54)

Table I.54: Preferred compounds of the formula (I.54) are the compounds I.54-1 to I.54-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.54-1 to I.54-718 of Table I.54 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



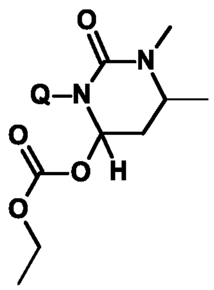
(I.55)

Table I.55: Preferred compounds of the formula (I.55) are the compounds I.55-1 to I.55-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.55-1 to I.55-718 of Table I.55 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



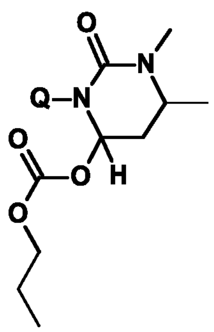
(I.56)

Table I.56: Preferred compounds of the formula (I.56) are the compounds I.56-1 to I.56-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.56-1 to I.56-718 of Table I.56 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



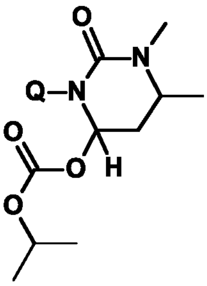
(I.57)

Table I.57: Preferred compounds of the formula (I.57) are the compounds I.57-1 to I.57-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.57-1 to I.57-718 of Table I.57 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



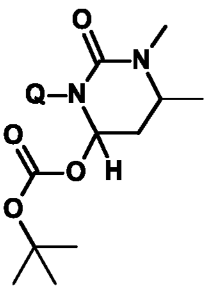
(I.58)

Table I.58: Preferred compounds of the formula (I.58) are the compounds I.58-1 to I.58-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.58-1 to I.58-718 of Table I.58 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



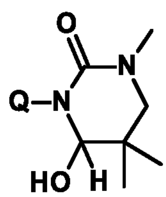
(I.59)

Table I.59: Preferred compounds of the formula (I.59) are the compounds I.59-1 to I.59-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.59-1 to I.59-718 of Table I.59 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



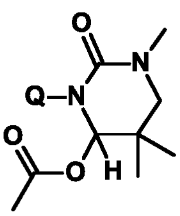
(I.60)

Table I.60: Preferred compounds of the formula (I.60) are the compounds I.60-1 to I.60-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.60-1 to I.60-718 of Table I.60 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



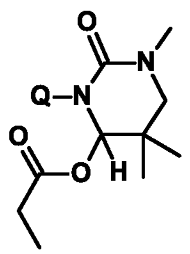
(I.61)

Table I.61: Preferred compounds of the formula (I.61) are the compounds I.61-1 to I.61-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.61-1 to I.61-718 of Table I.1 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



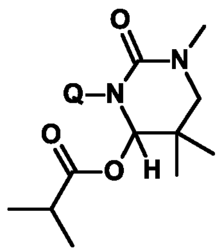
(I.62)

Table I.62: Preferred compounds of the formula (I.62) are the compounds I.62-1 to I.62-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.62-1 to I.62-718 of Table I.62 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



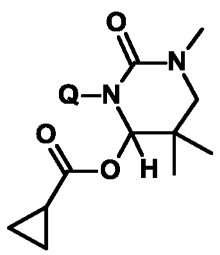
(I.63)

Table I.63: Preferred compounds of the formula (I.63) are the compounds I.63-1 to I.63-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.63-1 to I.63-718 of Table I.63 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



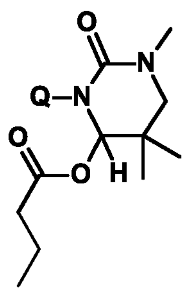
(I.64)

Table I.64: Preferred compounds of the formula (I.64) are the compounds I.64-1 to I.64-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.64-1 to I.64-718 of Table I.64 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



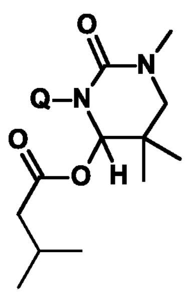
(I.65)

Table I.65: Preferred compounds of the formula (I.65) are the compounds I.65-1 to I.65-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.65-1 to I.65-718 of Table I.65 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



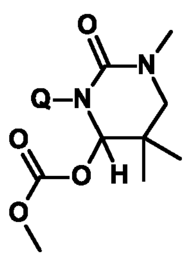
(I.66)

Table I.66: Preferred compounds of the formula (I.66) are the compounds I.66-1 to I.66-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.66-1 to I.66-718 of Table I.66 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



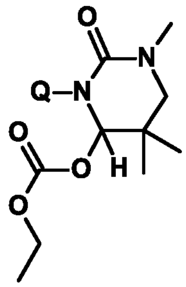
(I.67)

Table I.67: Preferred compounds of the formula (I.67) are the compounds I.67-1 to I.67-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.67-1 to I.67-718 of Table I.67 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



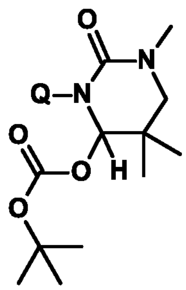
(I.68)

Table I.68: Preferred compounds of the formula (I.68) are the compounds I.68-1 to I.68-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.68-1 to I.68-718 of Table I.68 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



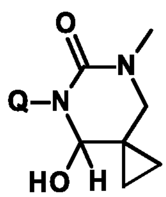
(I.69)

Table I.69: Preferred compounds of the formula (I.69) are the compounds I.69-1 to I.69-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.69-1 to I.69-718 of Table I.69 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



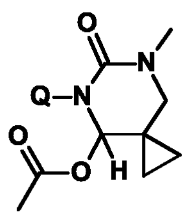
(I.70)

Table I.70: Preferred compounds of the formula (I.70) are the compounds I.70-1 to I.70-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.70-1 to I.70-718 of Table I.70 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



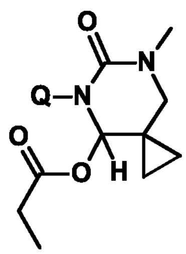
(I.71)

Table I.71: Preferred compounds of the formula (I.71) are the compounds I.71-1 to I.71-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.71-1 to I.71-718 of Table I.1 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



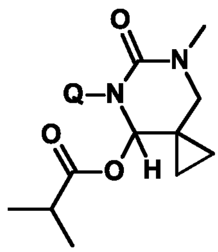
(I.72)

Table I.72: Preferred compounds of the formula (I.72) are the compounds I.72-1 to I.72-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.72-1 to I.72-718 of Table I.72 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



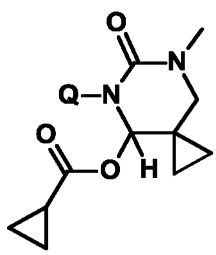
(I.73)

Table I.73: Preferred compounds of the formula (I.73) are the compounds I.73-1 to I.73-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.73-1 to I.73-718 of Table I.73 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



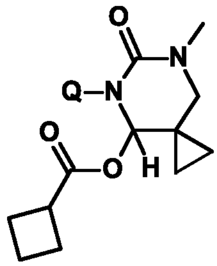
(I.74)

Table I.74: Preferred compounds of the formula (I.74) are the compounds I.74-1 to I.74-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.74-1 to I.74-718 of Table I.74 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



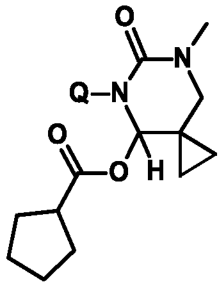
(I.75)

Table I.75: Preferred compounds of the formula (I.75) are the compounds I.75-1 to I.75-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.75-1 to I.75-718 of Table I.75 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



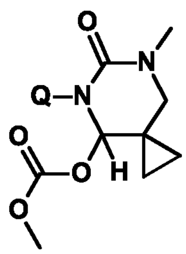
(I.76)

Table I.76: Preferred compounds of the formula (I.76) are the compounds I.76-1 to I.76-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.76-1 to I.76-718 of Table I.76 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



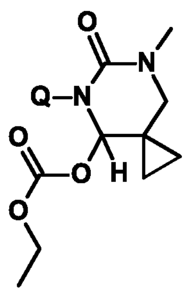
(I.77)

Table I.77: Preferred compounds of the formula (I.77) are the compounds I.77-1 to I.77-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.77-1 to I.77-718 of Table I.77 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



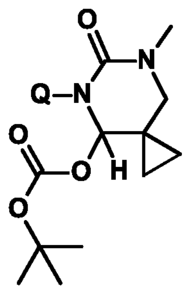
(I.78)

Table I.78: Preferred compounds of the formula (I.78) are the compounds I.78-1 to I.78-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.78-1 to I.78-718 of Table I.78 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



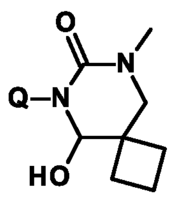
(I.79)

Table I.79: Preferred compounds of the formula (I.79) are the compounds I.79-1 to I.79-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.79-1 to I.79-718 of Table I.79 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



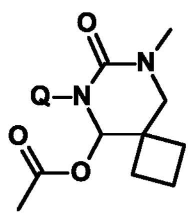
(I.80)

Table I.80: Preferred compounds of the formula (I.80) are the compounds I.80-1 to I.80-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.80-1 to I.80-718 of Table I.80 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



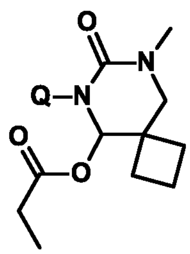
(I.81)

Table I.81: Preferred compounds of the formula (I.81) are the compounds I.81-1 to I.81-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.81-1 to I.81-718 of Table I.1 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



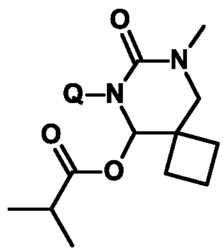
(I.82)

Table I.82: Preferred compounds of the formula (I.82) are the compounds I.82-1 to I.82-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.82-1 to I.82-718 of Table I.82 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



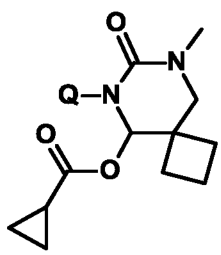
(I.83)

Table I.83: Preferred compounds of the formula (I.83) are the compounds I.83-1 to I.83-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.83-1 to I.83-718 of Table I.83 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



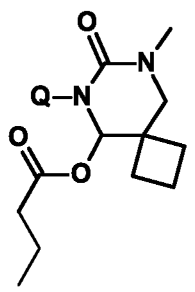
(I.84)

Table I.84: Preferred compounds of the formula (I.84) are the compounds I.84-1 to I.84-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.84-1 to I.84-718 of Table I.84 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



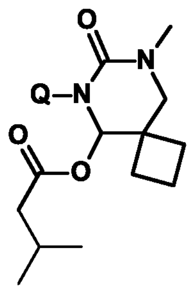
(I.85)

Table I.85: Preferred compounds of the formula (I.85) are the compounds I.85-1 to I.85-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.85-1 to I.85-718 of Table I.85 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



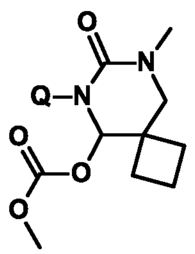
(I.86)

Table I.86: Preferred compounds of the formula (I.86) are the compounds I.86-1 to I.86-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.86-1 to I.86-718 of Table I.86 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



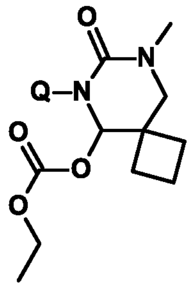
(I.87)

Table I.87: Preferred compounds of the formula (I.87) are the compounds I.87-1 to I.87-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.87-1 to I.87-718 of Table I.87 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



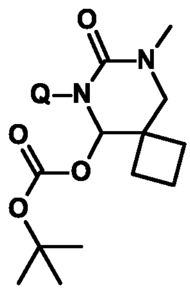
(I.88)

Table I.88: Preferred compounds of the formula (I.88) are the compounds I.88-1 to I.88-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.88-1 to I.88-718 of Table I.88 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



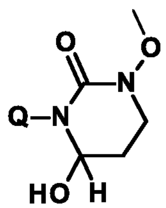
(I.89)

Table I.89: Preferred compounds of the formula (I.89) are the compounds I.89-1 to I.89-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.89-1 to I.89-718 of Table I.89 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



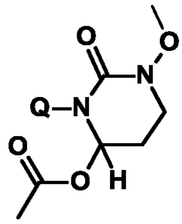
(I.90)

Table I.90: Preferred compounds of the formula (I.90) are the compounds I.90-1 to I.90-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.90-1 to I.90-718 of Table I.90 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



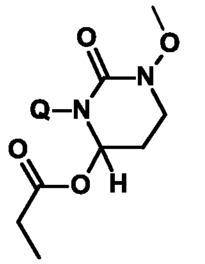
(I.91)

Table I.91: Preferred compounds of the formula (I.91) are the compounds I.91-1 to I.91-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.91-1 to I.91-718 of Table I.1 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



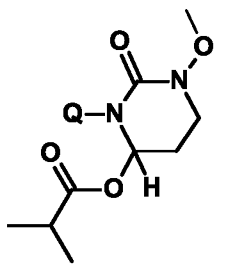
(I.92)

Table I.92: Preferred compounds of the formula (I.92) are the compounds I.92-1 to I.92-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.92-1 to I.92-718 of Table I.92 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



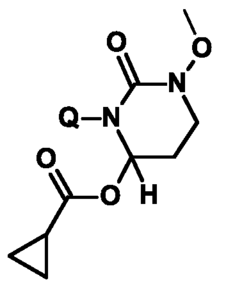
(I.93)

Table I.93: Preferred compounds of the formula (I.93) are the compounds I.93-1 to I.93-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.93-1 to I.93-718 of Table I.93 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



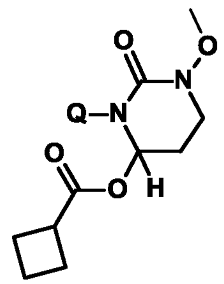
(I.94)

Table I.94: Preferred compounds of the formula (I.94) are the compounds I.94-1 to I.94-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.94-1 to I.94-718 of Table I.94 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



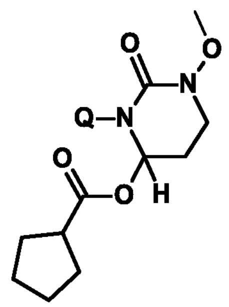
(I.95)

Table I.95: Preferred compounds of the formula (I.95) are the compounds I.95-1 to I.95-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.95-1 to I.95-718 of Table I.95 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



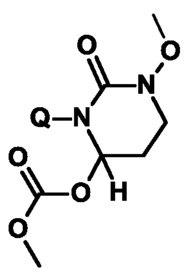
(I.96)

Table I.96: Preferred compounds of the formula (I.96) are the compounds I.96-1 to I.96-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.96-1 to I.96-718 of Table I.96 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



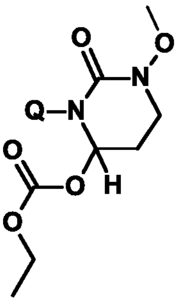
(I.97)

Table I.97: Preferred compounds of the formula (I.97) are the compounds I.97-1 to I.97-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.97-1 to I.97-718 of Table I.97 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



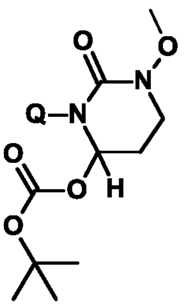
(I.98)

Table I.98: Preferred compounds of the formula (I.98) are the compounds I.98-1 to I.98-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.98-1 to I.98-718 of Table I.98 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



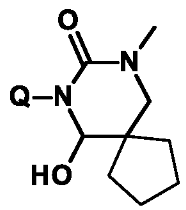
(I.99)

Table I.99: Preferred compounds of the formula (I.99) are the compounds I.99-1 to I.99-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.99-1 to I.99-718 of Table I.99 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



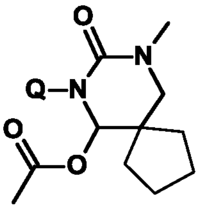
(I.100)

Table I.100: Preferred compounds of the formula (I.100) are the compounds I.100-1 to I.100-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.100-1 to I.100-718 of Table I.100 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



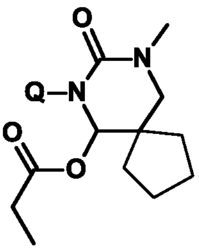
(I.101)

Table I.101: Preferred compounds of the formula (I.101) are the compounds I.101-1 to I.101-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.101-1 to I.101-718 of Table I.101 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



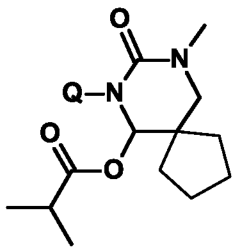
(I.102)

Table I.102: Preferred compounds of the formula (I.102) are the compounds I.102-1 to I.102-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.102-1 to I.102-718 of Table I.102 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



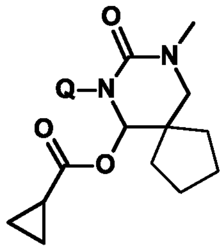
(I.103)

Table I.103: Preferred compounds of the formula (I.103) are the compounds I.103-1 to I.103-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.103-1 to I.103-718 of Table I.103 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



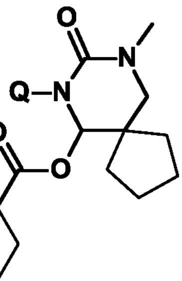
(I.104)

Table I.104: Preferred compounds of the formula (I.104) are the compounds I.104-1 to I.104-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.104-1 to I.104-718 of Table I.104 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



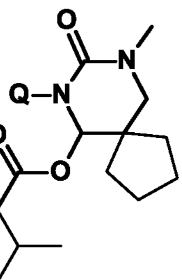
(I.105)

Table I.105: Preferred compounds of the formula (I.105) are the compounds I.105-1 to I.105-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.105-1 to I.105-718 of Table I.105 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



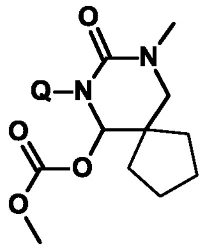
(I.106)

Table I.106: Preferred compounds of the formula (I.106) are the compounds I.106-1 to I.106-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.106-1 to I.106-718 of Table I.106 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



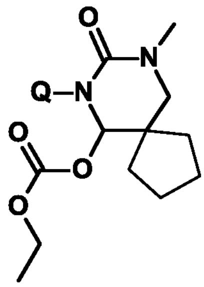
(I.107)

Table I.107: Preferred compounds of the formula (I.107) are the compounds I.107-1 to I.107-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.107-1 to I.107-718 of Table I.107 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



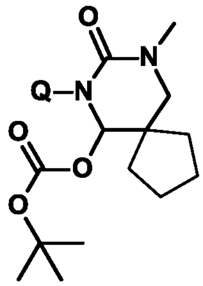
(I.108)

Table I.108: Preferred compounds of the formula (I.108) are the compounds I.108-1 to I.108-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.108-1 to I.108-718 of Table I.108 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



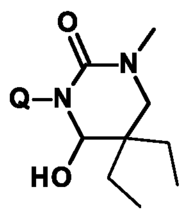
(I.109)

Table I.109: Preferred compounds of the formula (I.109) are the compounds I.109-1 to I.109-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.109-1 to I.109-718 of Table I.109 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



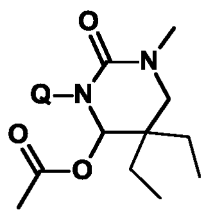
(I.110)

Table I.110: Preferred compounds of the formula (I.110) are the compounds I.110-1 to I.110-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.110-1 to I.110-718 of Table I.110 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



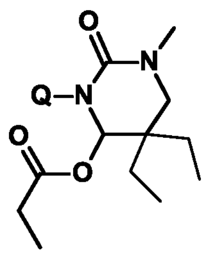
(I.111)

Table I.111: Preferred compounds of the formula (I.111) are the compounds I.111-1 to I.111-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.111-1 to I.111-718 of Table I.111 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



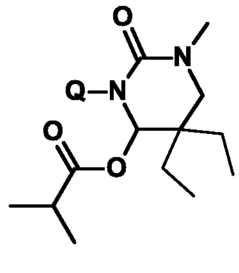
(I.112)

Table I.112: Preferred compounds of the formula (I.112) are the compounds I.112-1 to I.112-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.112-1 to I.112-718 of Table I.112 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



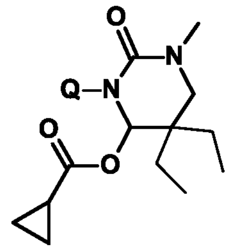
(I.113)

Table I.113: Preferred compounds of the formula (I.113) are the compounds I.113-1 to I.113-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.113-1 to I.113-718 of Table I.113 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



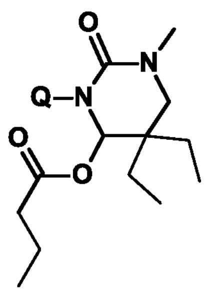
(I.114)

Table I.114: Preferred compounds of the formula (I.114) are the compounds I.114-1 to I.114-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.114-1 to I.114-718 of Table I.114 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



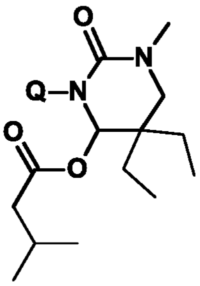
(I.115)

Table I.115: Preferred compounds of the formula (I.115) are the compounds I.115-1 to I.115-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.115-1 to I.115-718 of Table I.115 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



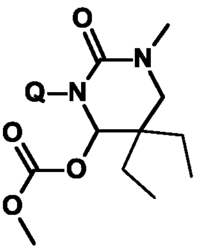
(I.116)

Table I.116: Preferred compounds of the formula (I.116) are the compounds I.116-1 to I.116-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.116-1 to I.116-718 of Table I.116 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



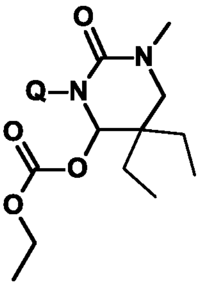
(I.117)

Table I.117: Preferred compounds of the formula (I.117) are the compounds I.117-1 to I.117-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.117-1 to I.117-718 of Table I.117 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



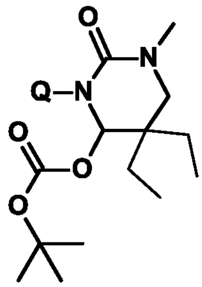
(I.118)

Table I.118: Preferred compounds of the formula (I.118) are the compounds I.118-1 to I.118-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.118-1 to I.118-718 of Table I.118 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



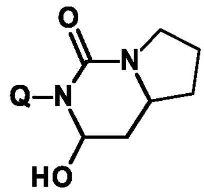
(I.119)

Table I.119: Preferred compounds of the formula (I.119) are the compounds I.119-1 to I.119-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.119-1 to I.119-718 of Table I.119 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



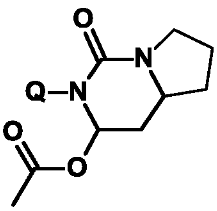
(I.120)

Table I.120: Preferred compounds of the formula (I.120) are the compounds I.120-1 to I.120-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.120-1 to I.120-718 of Table I.120 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



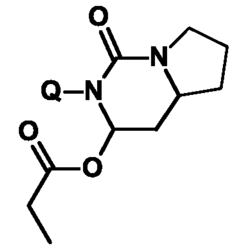
(I.121)

Table I.121: Preferred compounds of the formula (I.121) are the compounds I.121-1 to I.121-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.121-1 to I.121-718 of Table I.121 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



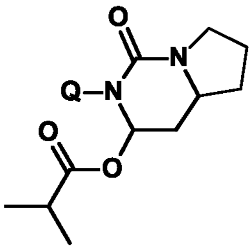
(I.122)

Table I.122: Preferred compounds of the formula (I.122) are the compounds I.122-1 to I.122-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.122-1 to I.122-718 of Table I.122 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



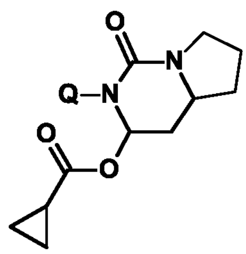
(I.123)

Table I.123: Preferred compounds of the formula (I.123) are the compounds I.123-1 to I.123-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.123-1 to I.123-718 of Table I.123 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



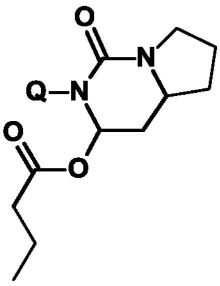
(I.124)

Table I.124: Preferred compounds of the formula (I.124) are the compounds I.124-1 to I.124-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.124-1 to I.124-718 of Table I.124 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



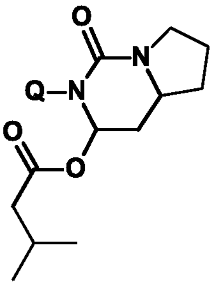
(I.125)

Table I.125: Preferred compounds of the formula (I.125) are the compounds I.125-1 to I.125-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.125-1 to I.125-718 of Table I.125 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



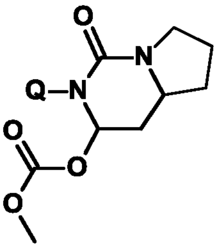
(I.126)

Table I.126: Preferred compounds of the formula (I.126) are the compounds I.126-1 to I.126-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.126-1 to I.126-718 of Table I.126 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



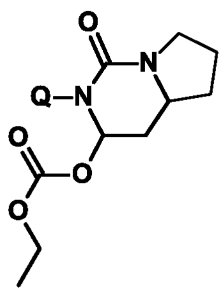
(I.127)

Table I.127: Preferred compounds of the formula (I.127) are the compounds I.127-1 to I.127-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.127-1 to I.127-718 of Table I.127 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



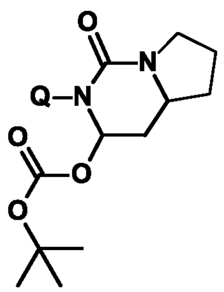
(I.128)

Table I.128: Preferred compounds of the formula (I.128) are the compounds I.128-1 to I.128-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.128-1 to I.128-718 of Table I.128 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



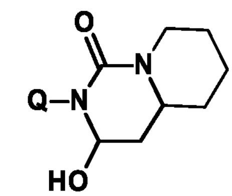
(I.129)

Table I.129: Preferred compounds of the formula (I.129) are the compounds I.129-1 to I.129-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.129-1 to I.129-718 of Table I.129 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



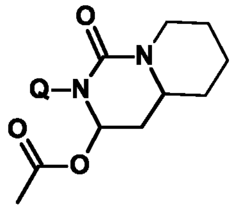
(I.130)

Table I.130: Preferred compounds of the formula (I.130) are the compounds I.130-1 to I.130-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.130-1 to I.130-718 of Table I.130 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



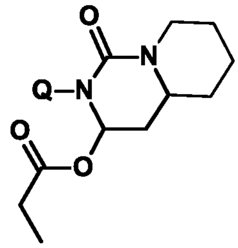
(I.131)

Table I.131: Preferred compounds of the formula (I.131) are the compounds I.131-1 to I.131-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.131-1 to I.131-718 of Table I.131 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



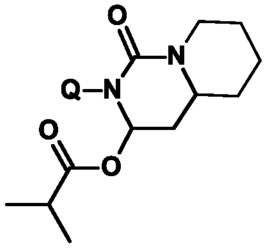
(I.132)

Table I.132: Preferred compounds of the formula (I.132) are the compounds I.132-1 to I.132-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.132-1 to I.132-718 of Table I.132 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



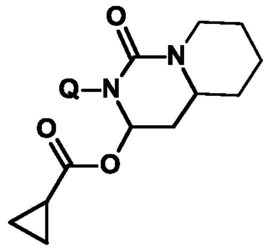
(I.133)

Table I.133: Preferred compounds of the formula (I.133) are the compounds I.133-1 to I.133-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.133-1 to I.133-718 of Table I.133 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



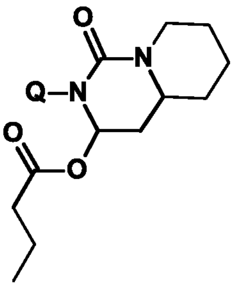
(I.134)

Table I.134: Preferred compounds of the formula (I.134) are the compounds I.134-1 to I.134-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.134-1 to I.134-718 of Table I.134 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



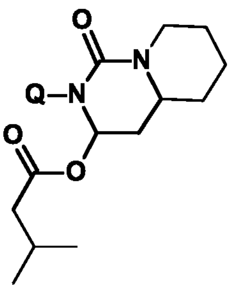
(I.135)

Table I.135: Preferred compounds of the formula (I.135) are the compounds I.135-1 to I.135-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.135-1 to I.135-718 of Table I.135 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



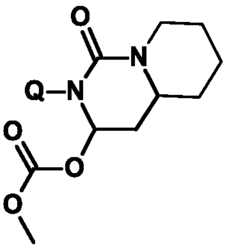
(I.136)

Table I.136: Preferred compounds of the formula (I.136) are the compounds I.136-1 to I.136-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.136-1 to I.136-718 of Table I.136 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



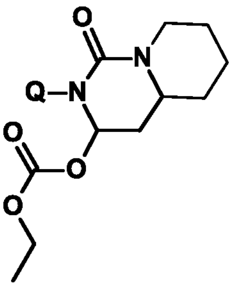
(I.137)

Table I.137: Preferred compounds of the formula (I.137) are the compounds I.137-1 to I.137-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.137-1 to I.137-718 of Table I.137 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



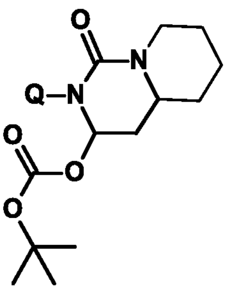
(I.138)

Table I.138: Preferred compounds of the formula (I.138) are the compounds I.138-1 to I.138-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.138-1 to I.138-718 of Table I.138 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



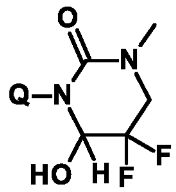
(I.139)

Table I.139: Preferred compounds of the formula (I.139) are the compounds I.139-1 to I.139-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.139-1 to I.139-718 of Table I.139 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



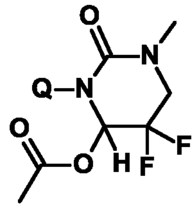
(I.140)

Table I.140: Preferred compounds of the formula (I.140) are the compounds I.140-1 to I.140-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.140-1 to I.140-718 of Table I.140 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



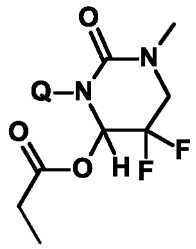
(I.141)

Table I.141: Preferred compounds of the formula (I.141) are the compounds I.141-1 to I.141-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.141-1 to I.141-718 of Table I.1 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



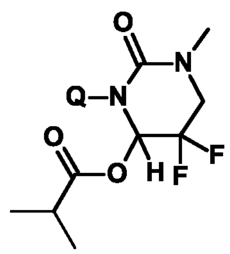
(I.142)

Table I.142: Preferred compounds of the formula (I.142) are the compounds I.142-1 to I.142-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.142-1 to I.142-718 of Table I.142 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



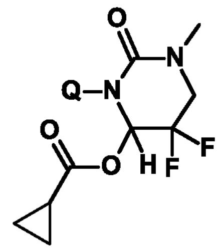
(I.143)

Table I.143: Preferred compounds of the formula (I.143) are the compounds I.143-1 to I.143-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.143-1 to I.143-718 of Table I.143 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



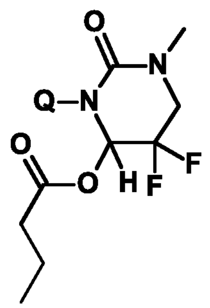
(I.144)

Table I.144: Preferred compounds of the formula (I.144) are the compounds I.144-1 to I.144-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.144-1 to I.144-718 of Table I.144 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



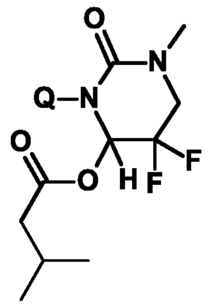
(I.145)

Table I.145: Preferred compounds of the formula (I.145) are the compounds I.145-1 to I.145-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.145-1 to I.145-718 of Table I.145 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



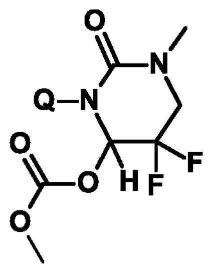
(I.146)

Table I.146: Preferred compounds of the formula (I.146) are the compounds I.146-1 to I.146-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.146-1 to I.146-718 of Table I.146 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



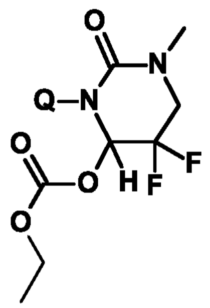
(I.147)

Table I.147: Preferred compounds of the formula (I.147) are the compounds I.147-1 to I.147-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.147-1 to I.147-718 of Table I.147 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



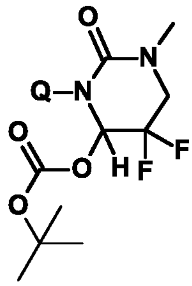
(I.148)

Table I.148: Preferred compounds of the formula (I.148) are the compounds I.148-1 to I.148-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.148-1 to I.148-718 of Table I.148 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.



(I.149)

Table I.149: Preferred compounds of the formula (I.149) are the compounds I.149-1 to I.149-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.149-1 to 149-718 of Table I.149 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1.



(I.150)

Table I.150: Preferred compounds of the formula (I.150) are the compounds I.150-1 to I.150-718 in which Q has the meanings of Table 1 indicated in the respective row. Thus, the compounds I.150-1 to I.150-718 of Table I.150 are defined by the meaning of the respective entries Nos. 1 to 718 for Q of Table 1 above.

Spectroscopic data of selected table examples:

The spectroscopic data listed hereinafter for selected table examples were evaluated via conventional ^{1}H NMR interpretation or via NMR peak list methods.

A. Conventional ^{1}H NMR interpretation

Example No. I.1-72

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.51 (s, 1H), 5.69 (m, 1H), 3.83 (m, 1H), 3.21 (m, 1H9, 3.06 (s, 3H), 2.33 (s, 3H), 2.19-2.16 (m, 2H).

Example No. I.1-77

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.68 (s, 1H), 5.72 (m, 1H), 5.79 (m, 1H), 3.39 (m, 1H), 3.18 (m, 1H), 3.00 (s, 3H), 2.21-2.17 (m, 2H), 1.32 (s, 9H).

Example No. I.1-137

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 5.58 (m, 1H), 4.37 (bs, 1H), 3.77 (dt, 1H), 3.21 (m, 1H), 3.06 (s, 3H), 2.57 (s, 3H), 2.21-2.19 (m, 2H).

Example No. I.1-139

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 5.58 (m, 1H), 4.15 (bs, 1H), 3.78 (dt, 1H), 3.23-3.18 (m, 2H), 3.06 (s, 3H), 2.21-2.13 (m, 2H), 1.40 (d, 6H).

Example No. I.1-142

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 5.59 (m, 1H), 4.20 (m, 1H), 3.79 (m, 1H), 3.23 (m, 1H), 3.06 (s, 3H), 3.02 (m, 1H), 2.14 (m, 1H), 1.43 (s, 9H).

Example No. I.1-143
^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 5.55 (m, 1H), 4.12 (m, 1H), 3.76 (dt, 1H), 3.19 (m, 1H), 3.05 (s, 3H), 2.19-2.11 (m, 3H), 1.26-1.21 (m, 4H).

Example No. I.1-157
^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.63 (s, 1H), 5.70 (m, 1H), 4.31 (m, 1H), 3.79 (dt, 1H), 3.18 (m, 1H), 3.04 (s, 3H), 2.37 (s, 3H), 2.14-2.12 (m, 2H).

Example No. I.1-177:
^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 5.24 (m, 1H), 4.13 (br. s, 1H, OH), 3.83-3.76 (m, 1H), 3.26-3.19 (m, 1H), 3.01 (s, 3H), 2.25-2.07 (m, 2H), 1.97 (s, 3H), 1.37 (s, 9H).

Example No. I.1-193
^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.97 (s, 1H), 5.73 (m, 1H), 4.20 (m, 1H), 3.81 (m, 1H), 3.18 (m, 1H), 3.05 (s, 3H), 2.20-2.14 (m, 2H), 1.77 (s, 6 H).

Example No. I.1-199
^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.65 (s, 1H), 7.72-7.62 (m, 2H), 5.05-5.01 (m, 2H), 4.33 (m, 1H), 3.80 (m, 1H), 3.18 (m, 1H), 3.04 (s, 3H), 2.38 (d, 2H), 2.14-2.11 (m, 2H), 1.30 (s, 6H).

Example No. I.1-200
^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.70 (s, 1H), 5.70 (m, 1H), 4.32 (m, 1H), 3.78 (m, 1H), 4.42 (m, 2H), 3.32 (s, 3H), 3.15 (m, 1H), 3.04 (s, 3H), 2.19-2.09 (m, 2H), 1.32 (s, 6H).

Example No. I.1-206
^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm)5.37 (m, 1H), 4.13 (m, 1H), 3.79 (dt, 1H), 3.21 (m, 1H), 3.04 (s, 3H), 2.21 (m, 1H), 2.10 (m, 1H), 1.38 9H).

Example No. I.1-207
^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 5.30 (m, 1H), 3.82-3.72 (m, 2H), 3.24 (m, 1H), 3.03 (s, 3H), 2.23 (m, 1H), 2.10 (m, 1H), 1.45 (s, 9H).

Example No. I.1-315:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.35 (s, 1H), 5.55 (m, 1H), 4.91 (br. s, 1H, OH), 3.84 (s, 3H), 3.81-3.73 (m, 1H), 3.15-3.11 (m, 1H), 3.02 (s, 3H), 2.18-2.04 (m, 2H), 1.36 (s, 9H).

Example No. I.1-348

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.18 (s, 1H), 5.56 (m, 1H), 5.00 (br. s, 1H, OH), 3.73-3.79 (m, 1H), 3.12-3.16 (m, 1H), 3.02 (s, 3H), 2.05-2.12 (m, 2H), 1.78-1.80 (m, 1H), 0.91-0.94 (m, 2H), 0.70-0.74 (m, 2H).

Example No. I.1-354

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 9.50 (br. s, 1H, NH), 6.40 (s, 1H), 5.60 (m, 1H), 4.90 (br. s, 1H, OH), 3.70-3.85 (m, 1H), 3.10-3.20 (m, 1H), 3.03 (s, 3H), 2.00-2.20 (m, 2H), 1.30 (s, 9H).

Example No. I.1-357

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.54 (s, 1H), 5.56 (d, 1H), 4.70 (br. s, 1H, OH), 3.74 (s, 3H), 3.80-3.74 (m, 1H), 3.10-3.20 (m, 1H), 3.03 (s, 3H), 2.42 (s, 3H), 2.00-2.20 (m, 2H).

Example No. I.1-358

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.96 (s, 1H), 5.60 (d, 1H), 4.44 (br. s, 1H, OH), 3.87 (s, 3H), 3.80-3.70 (m, 1H), 3.10-3.20 (m, 1H), 3.03 (s, 3H), 2.05-2.20 (m, 2H).

Example No. I.1-441

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.27 (m, 1H), 7.74 (d, 1H), 7.63 (dd, 1H), 7.03 (dd, 1H), 5.61 (m, 1H), 5.58 (m, 1H), 3.85 (dt, 1H), 3.20 (m, 1H), 3.05 (s, 3H), 2.21-2.12 (m, 2H).

Example No. I.1-442

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.89 (d, 1H), 8.06 (d, 1H), 7.41 (dd, 1H), 5.82 (m, 1H), 5.23 (bs, 1H), 3.89 (m, 1H), 3.23 (m, 1H), 3.07 (s, 3H), 2.24-2.19 (m, 2H).

Example No. I.1-443

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.89 (s, 1H), 8.53 (d, 1H), 8.01 (d, 1H), 5.84 (m, 1H), 4.91 (m, 1H), 3.82 (m, 1H), 3.22 (m, 1H), 3.07 (s, 3H), 2.20-2.17 (m, 2H).

Example No. I.1-445

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.65 (d, 2H), 7.07 (t, 1H), 5.65 (m, 1H), 4.91 (m, 1H), 3.72 (dt, 1H), 3.30 (m, 1H), 3.06 (s, 3H), 2.15 (m, 1H), 2.14 (m, 1H).

Example No. I.1-447

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.12 (d, 1H), 7.58 (d, 1H), 5.69 (bs, 1H), 5.57 (m, 1H), 3.83 (dt, 1H), 3.19 (m, 1H), 3.04 (s, 3H), 2.21-2.09 (m, 2H).

Example No. I.1-450

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.15 (d, 1H), 7.58 (s, 1H), 6.88 (d, 1H), 5.70 (bs, 1H), 5.58 (m, 1H), 3.83 (dt, 1H), 3.19 (m, 1H), 3.05 (s, 3H), 2.64 (q, 2H), 2.21-2.08 (m, 2H), 1.25 (t, 3H).

Example No. I.1-453

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.75 (s, 1H), 8.24 (s, 1H), 5.67 (m, 1H), 4.82 (m, 1H), 3.84 (m, 1H), 3.22 (m, 1H), 3.06 (s, 3H), 2.18-2.15 (m, 2H).

Example No. I.1-462

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.17-8.18 (s, 1H), 7.74-7.75 (s, 1H), 7.05 (m, 1H), 5.70 (m, 1H), 5.60 (m, 1H), 3.80-3.90 (m, 1H), 3.20 (m, 1H), 3.05 (s, 3H), 2.10-2.20 (m, 2H), 1.32 s, 9H).

Example No. I.1-464

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.52 (s, 1H), 8.24 (s, 1H), 5.67-5.68 (m, 1H), 4.79-4.80 (m, 1H), 3.84-3.85 (m, 1H), 3.25 (m, 1H), 3.06 (s, 3H), 2.15-2.19 (m, 2H).

Example No. I.1-476

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.09 (m, 1H), 7.60 (d, 1H), 7.46 (dd, 1H), 5.65 (m, 1H), 5.56 (m, 1H), 3.82 (m, 1H), 3.20 (m, 1H), 3.03 (s, 3H), 3.28 (s, 3H), 2.21-2.09 (m, 2H).

Example No. I.1-486

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.24 (s, 1H), 7.78 (s, 1H), 5.32 (m, 1H), 4.85 (m, 1H), 3.78 (m, 1H), 3.27 (m, 1H), 3.03 (s, 3H), 2.27 (m, 1H), 2.13 (m, 1H).

Example No. I.1-488

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.12 (d, 1H), 7.73 (dd, 1H), 7.39 (dt, 1H), 5.57 (m, 1H), 5.24 (m, 1H), 3.84 (dt, 1H), 3.20 (m, 1H), 3.04 (s, 3H), 2.22-2.10 (m, 2H).

Example No. I.1-489

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.28 (s, 1H), 8.03 (s, 1H), 5.62 (m, 1H), 4.96 (m, 1H), 3.83 (m, 1H), 2.23 (m, 1H), 3.05 (s, 3H), 2.19-2.13 (m, 2H).

Example No. I.1-495

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.59 (s, 2H), 5.61 (m, 1H), 4.59 (m, 1H), 3.72 (dt, 1H), 3.28 (m, 1H), 3.08 (s, 3H), 2.28 (m, 1H), 2.15 (m, 1H).

Example No. I.1-501:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.83 (s, 1H), 8.00 (s, 1H), 5.79 (m, 1H), 5.09 (br. s, 1H, OH), 3.88-3.79 (m, 1H), 3.26-3.19 (m, 1H), 3.07 (s, 3H), 2.20-2.15 (m, 2H), 1.35 (s, 9H).

Example No. I.1-503

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.82 (s, 1H), 8.18 (s, 1H), 5.81 (m, 1H), 4.93 (m, 1H), 3.84 (m, 1H), 3.25 (m, 1H), 3.07 (s, 3H), 2.20-2.16 (m, 2H), 1.71 (d, 3H), 1.66 (d, 3H).

Example No. I.1-506

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 9.00 (s, 1H), 8.48 (s, 1H), 5.93 (d, 1H), 4.67 (m, 1H), 3.84 (dt, 1H), 3.25 (m, 1H), 3.09 (s, 3H), 2.23-2.19 (m, 2H).

Example No. I.1-517

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.67 (s, 1H), 8.15 (s, 1H), 5.89 (m, 1H), 4.72 (m, 1H), 3.83 (m, 1H), 3.22 (m, 1H), 3.07 (s, 3H), 2.21-2.16 (m, 2H).

Example No. I.1-518

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.77 (s, 1H), 7.88 (s, 1H), 5.79 (m, 1H), 5.01 (bs, 1H), 3.80 (m, 1H), 3.21 (m, 1H), 3.06 (s, 3H), 2.49 (s, 3H), 2.18-2.15 (m, 2H).

Example No. I.1-546:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.35 (s, 1H), 5.54 (m, 1H), 4.39 (m, 1H), 3.84 (s, 3H), 3.80-3.74 (m, 1H), 3.14-3.10 (m, 1H), 3.02 (s, 3H), 2.15-2.05 (m, 2H), 1.36 (s, 9H).

Example No. I.1-614

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 7.38 (d, 1H), 6.91 (d, 1H), 6.02 (m, 1H), 5.15 (m, 1H), 3.79 (m, 1H), 3.18 (m, 1H), 3.09 (s, 3H), 2.22-2.17 (m, 2H).

Example No. I.1-616

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 7.01 (s, 1H), 5.95 (m, 1H), 5.14 (m, 1H), 3.78 (m, 1H), 3.17 (m, 1H), 3.08 (s, 3H), 2.35 (s, 3H), 2.18-2.14 (m, 2H).

Example No. I.1-617

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.45 (s, 1H), 5.98 (m, 1H), 5.32 (m, 1H), 3.78 (m, 1H), 3.18 (m, 1H), 3.08 (s, 3H), 2.66 (q, 2H), 2.20-2.17 (m, 2H), 1.25 (t, 3H).

Example No. I.1-619

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 5.92 (m, 1H), 5.30 (m, 1H), 7.74 (m, 1H), 3.15 (m, 1H), 3.07 (s, 3H), 2.23 (s, 3H), 2.19 (s, 3H), 2.16-2.15 (m, 2H).

Example No. I.1-620

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.45 (s, 1H), 5.97 (m, 1H), 5.38 (m, 1H), 3.76 (m, 1H), 3.17 (m, 1H), 3.08 (s, 3H), 2.92 (m, 1H), 2.21-2.17 (m, 2H), 1.25 (d, 6H).

Example No. I.1-621

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 7.03 (s,1H), 5.96 (m, 1H), 5.21 (m, 1H), 3.77 (m, 1H), 3.18 (m, 1H), 3.09 (m, 1H), 3.08 (s, 3H), 2.18-2.15 (m, 2H), 1.31 (d, 6H).

Example No. I.1-622

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.47 (s, 1H), 5.97 (m, 1H), 5.41 (m, 1H), 3.75 (m, 1H), 3.17 (m, 1H), 3.08 (s, 3H), 2.21-2.17 (m, 2H), 1.29 (s, 9H).

Example No. I.1-623

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 7.04 (s, 1H), 5.96 (m, 1H), 5.18 (m, 1H), 3.78 (m, 1H), 3.16 (m, 1H), 3.08 (s, 3H), 2.19-2.14 (m, 2H), 1.36 (s, 9H).

Example No. I.1-624

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 7.78-7.72 (m, 2H), 7.39 (m, 1H), 7.25 (m, 1H), 6.18 (m, 1H), 5.25 (m, 1H), 3.84 (m, 1H), 3.22 (m, 1H), 3.12 (s, 3H), 2.26-2.23 (m, 2H).

Example No. I.1-625

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.44 (s, 1H), 5.94 (m, 1H), 5.10 (m, 1H), 3.75 (m, 1H), 3.17 (m, 1H), 3.07 (s, 3H), 2.20-2.15 (m, 2H), 1.93 (m, 1H), 0.90-0.75 (m, 4H).

Example No. I.1-626

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 7.04 (s, 1H), 5.95 (m, 1H), 5.17 (bs, 1H), 3.75 (m, 1H), 3.16 (m, 1H), 3.07 (s, 3H), 2.18-2.14 (m, 2H), 1.93 (m, 1H), 0.95-0.93 (m, 2H), 0.70-0.67 (m, 2H).

Example No. I.1-629

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 7.74 (s, 1H), 7.63 (d, 1H), 7.34 (d, 1H), 6.17 (m, 1H), 5.10 (bs, 1H), 3.84 (m, 1H), 3.21 (m, 1H), 3.12 (s, 3H), 2.28-2.23 (m, 2H).

Example No. I.1-630

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 7.65 (dd, 1H), 7.45 (dd, 1H), 7.10 (dt, 1H), 6.15 (m, 1H), 5.12 (m, 1H), 3.84 (m, 1H), 3.21 (m, 1H), 3.12 (s, 3H), 2.25-2.22 (m, 2H).

Example No. I.1-632

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 7.32 (s, 1H), 6.10 (m, 1H), 4.72 (m, 1H), 3.82 (m, 1H), 3.21 (m, 1H), 3.10 (s, 3H), 2.22-2.20 (m, 2H).

Example No. I.1-633

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 7.69 (m, 1H), 6.07 (m, 1H), 4.81 (m, 1H), 3.82 (m, 1H), 3.21 (m, 1H), 3.10 (s, 3H), 2.23-2.20 (m, 2H).

Example No. I.1-709:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 5.59 (m, 1H), 4.36 (m, 1H), 3.74-3.69 (m, 1H), 3.62 (d, 1H), 3.17-3.11 (m, 1H), 3.11 (d, 1H), 3.00 (s, 3H), 2.15-2.05 (m, 2H), 1.44 (s, 3H), 1.37 (s, 3H).

Example No. I.2-449:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.48 (d, 1H), 8.12 (s, 1H), 7.21 (d, 1H), 7.18 (t, 1H), 3.71-3.64 (m, 1H), 3.35-3.28 (m, 1H), 3.10 (s, 3H), 2.32-2.25 (m, 2H), 2.05 (s, 3H).

Example No. I.3-449:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.47 (d, 1H), 8.11 (s, 1H), 7.22 (d, 1H), 7.17 (t, 1H), 3.72-3.64 (m, 1H), 3.33-3.28 (m, 1H), 3.10 (s, 3H), 2.34-2.30 (m, 2H), 2.29-2.25 (m, 2H), 1.13 (t, 3H).

Example No. I.3-464:

^{1}H-NMR (400 MHz, DMSO δ, ppm) 8.76 (s, 1H), 8.15 (s, 1H), 6.94-6.95 (m, 1H), 3.50-3.60 (m, 1H), 3.33-3.40 (m, 1H), 2.97 (s, 3H), 2.10-2.35 (m, 4H), 0.98-1.02 (t, 3H).

Example No. I.4-290:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.79 (m, 1H), 6.24 (s, 1H), 3.68-3.59 (m, 1H), 3.28-3.22 (m, 1H), 3.08 (s, 3H), 2.38-2.30 (m, 2H), 2.29-2.23 (m, 2H), 1.70-1.62 (m, 2H), 1.30 (s, 9H), 0.93 (t, 3H).

Example No. I.4-449:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.47 (d, 1H), 8.11 (s, 1H), 7.23 (d, 1H), 7.17 (t, 1H), 3.72-3.65 (m, 1H), 3.33-3.28 (m, 1H), 3.10 (s, 3H), 2.31-2.24 (m, 2H), 1.64-1.58 (m, 2H), 0.93 (t, 3H).

Example No. I.5-162:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.82 (m, 1H), 6.57 (s, 1H), 3.68-3.59 (m, 1H), 3.27-3.21 (m, 1H), 3.07 (s, 3H), 2.60-2.53 (m, 1H), 2.28-2.20 (m, 2H), 1.31 (s, 9H), 1.16 (t, 3H).

Example No. I.5-449:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.46 (d, 1H), 8.11 (s, 1H), 7.21 (d, 1H), 7.14 (t, 1H), 3.72-3.64 (m, 1H), 3.34-3.29 (m, 1H), 3.10 (s, 3H), 2.57-2.49 (sept, 1H), 2.34-2.24 (m, 2H), 1.14 (d, 3H), 1.11 (d, 3H).

Example No. I.6-162:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.79 (m, 1H), 6.55 (s, 1H), 3.65-3.56 (m, 1H), 3.27-3.21 (m, 1H), 3.07 (s, 3H), 2.30-2.17 (m, 2H), 1.31 (s, 9H), 1.16 (s, 9H).

Example No. I.7-290:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.80 (m, 1H), 6.23 (s, 1H), 3.68-3.59 (m, 1H), 3.29-3.22 (m, 1H), 3.08 (s, 3H), 2.29-2.23 (m, 2H), 2.24-2.19 (m, 2H), 2.13-2.05 (m, 1H), 1.30 (s, 9H), 0.94 (d, 6H).

Example No. I.7-449:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.46 (d, 1H), 8.11 (s, 1H), 7.21 (d, 1H), 7.18 (t, 1H), 3.72-3.64 (m, 1H), 3.35-3.28 (m, 1H), 3.10 (s, 3H), 2.35-2.28 (m, 2H), 2.19-2.15 (m, 2H), 2.10-2.00 (sept, 1H), 0.92 (d, 3H), 0.90 (d, 3H).

Example No. I.20-162:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.70 (m, 1H), 6.58 (s, 1H), 5.30 (m, 1H), 3.70-3.80 (m, 1H), 3.20-3.30 (m, 1H), 3.03 (s, 3H), 2.20-2.30 (m, 2H), 1.50 (s, 9H), 1.31 (s, 9H).

Example No. I.41-86

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 7.91-7.89 (m, 2H), 7.44-7.36 (m, 3H), 7.07 (s, 1H), 5.81 (m, 1H), 3.82 (m, 1H), 3.30-3.21 (m, 2H), 3.08 (s, 3H), 2.23-2.20 (m, 2H).

Example No. I.41-441

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.27 (m, 1H), 7.67-7.64 (m, 2H), 7.03 (m, 1H), 5.57 (m, 1H), 5.42 (m, 1H), 3.88 (m, 1H), 3.03 (s, 3H), 2.22 (m, 1H), 1.93 (m, 1H), 1.34 (d, 3H).

Example No. I.41-442

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.89 (m, 1H), 7.99 (d, 1H), 7.41 (m, 1H), 5.78 (m, 1H), 5.11 (m, 1H), 3.93 (m, 1H), 3.04 (s, 3H), 2.28 (m, 1H), 1.98 (m, 1H), 1.36 (d, 3H).

Example No. I.41-449:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.44 (d, 1H), 8.05 (m, 1H), 7.21 (m, 1H), 5.63 (m, 1H), 4.99 (br. s, 1H, OH), 3.93-3.84 (m, 1H), 3.04 (s, 3H), 2.27-2.22 (m, 1H), 1.98-1.89 (m, 1H), 1.36 (d, 3H).

Example No. I.41-476

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.08 (d, 1H), 7.54 (d, 1H), 7.46 (dd, 1H), 5.51 (m, 2H), 3.86 (m,1H), 3.02 (s, 3H), 2.28 (s, 3H), 2.20 (m, 1H), 1.92 (m, 1H), 1.32 (d, 3H).

Example No. I.41-495

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.58 (s, 2H), 5.57 (m, 1H), 4.52 (m, 1H), 3.78 (m, 1H), 3.05 (s, 3H), 2.27 (m, 1H), 2.06 (m, 1H), 1.32 (d, 3H).

Example No. I.41-506

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.99 (s, 1H), 8.37 (s, 1H), 5.89 (m, 1H), 4.58(m, 1H), 3.86 (m, 1H), 3.06 (s, 3H), 2.30 (m, 1H), 1.98 (m, 1H), 1.35 (d, 3H).

Example No. I.41-517

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.67 (s, 1H), 8.04 (s, 1H), 5.81 (m, 1H), 4.63 (m, 1H), 3.84 (m, 1H), 3.05 (s, 3H), 2.30-2.24 (m, 1H), 1.95 (m, 1H), 1.64 d, 3H).

Example No. I.42-162:

Diastereomer 1 - ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.76 (m, 1H), 6.57 (s, 1H), 3.73-3.66 (m, 1H), 3.03 (s, 3H), 2.35-2.29 (d, 1H), 2.08 (s, 3H), 2.02-1.94 (m, 1H), 1.34 (d, 3H), 1.32 (s, 9H). Diastereomer 2 - ^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.82 (m, 1H), 6.65 (s, 1H), 3.63-3.57 (m, 1H), 3.05 (s, 3H), 2.46-2.37 (d, 1H), 2.24-2.18 (m, 1H), 2.07 (s, 3H), 1.45 (d, 3H), 1.32 (s, 9H).

Example No. I.62-162:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.55 (s, 1H), 6.53 (m, 1H), 3.52 (d, 1H), 3.05 (s, 3H), 2.71 (d, 1H), 2.10 (s, 3H), 1.31 (s, 9H), 1.20 (s, 3H), 1.02 (s, 3H).

Example No. I.63-162:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.54 (s, 1H), 6.53 (m, 1H), 3.51 (d, 1H), 3.05 (s, 3H), 2.71 (d, 1H), 2.41-2.32 (m, 2H), 1.31 (s, 9H), 1.21 (s, 3H), 1.18 (t, 3H), 1.01 (s, 3H).

Example No. I.66-162:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.55 (s, 1H), 6.54 (m, 1H), 3.51 (d, 1H), 3.05 (s, 3H), 2.71 (d, 1H), 2.39-2.25 (m, 2H), 1.71-1.63 (m, 2H), 1.31 (s, 9H), 1.21 (s, 3H), 1.01 (s, 3H), 0.93 (t, 3H).

Example No. I.82-162:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.88 (m, 1H), 6.55 (s, 1H), 3.62 (d, 1H), 3.22 (d, 1H), 3.06 (s, 3H), 2.26-2.18 (m, 1H), 2.08 (s, 3H), 2.08-1.92 (m, 4H), 1.72-1.64 (m, 1H), 1.31 (s, 9H). Example No. I.83-162:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.90 (m, 1H), 6.54 (s, 1H), 3.62 (d, 1H), 3.20 (d, 1H), 3.06 (s, 3H), 2.41-2.30 (m, 2H), 2.26-2.18 (m, 1H), 2.13-1.92 (m, 4H), 1.70-1.63 (m, 1H), 1.31 (s, 9H), 1.14 (t, 3H).

Example No. I.86-162:

^{1}H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.91 (m, 1H), 6.54 (s, 1H), 3.61 (d, 1H), 3.20 (d, 1H), 3.06 (s, 3H), 2.36-2.28 (m, 2H), 2.27-2.18 (m, 1H), 2.15-1.92 (m, 4H), 1.70-1.58 (m, 1H), 1.31 (s, 9H), 0.92 (t, 3H).

Example No. I.91-162:

^1H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.60 (s, 1H), 5.70 (m, 1H),4.25 (br. s, 1H, OH), 3.95-4.05 (m, 1H), 3.82 (s, 3H), 3.50-3.60 (m, 1H), 2.20-2.30 (m, 2H), 1.34 (s, 9H).

Example No. I.101-162:

^1H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.63 (s, 1H), 5.23 (m, 1H),4.12-4.07 (br. s, 1H, OH), 3.73 (d, 1H), 3.03 (s, 3H), 2.78 (d, 1H), 1.97-1.89 (m, 1H), 1.72-1.53 (6H), 1.47-1.39 (m, 1H), 1.33 (s, 9H).

Example No. I.102-162:

^1H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.58 (s, 1H), 6.54 (m, 1H), 3.59 (d, 1H), 3.05 (s, 3H), 2.87 (d, 1H), 2.09 (s, 3H), 1.82-1.64 (6H), 1.31 (s, 9H), 1.28-1.22 (m, 2H).

Example No. I.111-449:

^1H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.44 (m, 1H), 8.09 (m, 1H), 7.22 (m, 1H), 5.20 (d, 1H), 4.90-4.84 (br. s, 1H, OH), 3.52 (d, 1H), 3.04 (s, 3H), 2.92 (d, 1H), 1.69-1.53 (m, 2H), 1.51-1.41 (m, 2H), 0.91 (t, 3H), 0.86 (t, 3H)..

Example No. I.112-449:

^1H-NMR (400 MHz, $CDCl_3$ δ, ppm) 8.52 (m, 1H), 8.01 (m, 1H), 7.22 (m, 1H), 6.95 (m, 1H), 3.41-3.37 (m, 1H), 3.09 (s, 3H), 3.02-2.97 (m, 1H), 2.05 (s, 3H),1.72-1.57 (m, 2H), 1.54-1.43 (m, 1H), 1.38-1.26 (m, 1H), 0.995-0.87 (m, 6H).

Example No. I.121-162:

^1H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.75 (s, 1H), 5.73 (m, 1H), 4.42 (m, 1H), 4.01-3.91 (m, 1H), 3.60-3.53 (m, 2H), 2.39-2.36 (m, 1H), 2.26-2.20 (m, 1H), 2.08-2.01 (m, 1H), 1.94-1.86 (m, 1H), 1.69-1.51 (m, 2H), 111.33 (s, 9H).

Example No. I.122-162:

^1H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.87 (m, 1H), 6.70 (s, 1H), 3.83-3.74 (m, 1H), 3.63-3.58 (m, 2H), 2.50-2.46 (m, 1H), 2.26-2.19 (m, 1H), 2.11-2.03 (m, 4H), 1.94-1.83 (m, 1H), 1.79-1.73 (m, 1H), 1.59-1.53 (m, 1H), 111.33 (s, 9H).

Example No. I.123-162:

[1]H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.87 (m, 1H), 6.69 (s, 1H), 3.82-3.73 (m, 1H), 3.62-3.56 (m, 2H), 2.50-2.46 (m, 1H), 2.42-2.28 (m, 2H), 2.25-2.19 (m, 1H), 2.11-2.03 (m, 1H), 1.94-1.83 (m, 1H), 1.79-1.73 (m, 1H), 1.59-1.53 (m, 1H), 111.33 (s, 9H), 1.14 (t, 3H).

Example No. I.126-162:

[1]H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.89 (m, 1H), 6.68 (s, 1H), 3.81-3.73 (m, 1H), 3.62-3.56 (m, 2H), 2.49-2.43 (m, 1H), 2.39-2.26 (m, 2H), 2.25-2.18 (m, 1H), 2.11-2.03 (m, 1H), 1.95-1.83 (m, 1H), 1.80-1.73 (m, 1H), 1.68-1.63 (m, 2H), 1.60-1.54 (m, 1H), 111.31 (s, 9H), 0.92 (t, 3H).

Example No. I.131-162:

[1]H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.60 / 6.55 (s, 1H), 5.68 / 5.65 (m, 1H), 4.58-4.51 (m, 1H), 4.43 / 4.16 (m, 1H), 3.64-3.57 / 3.42-3.37 (m, 1H), 2.72-2.61 (m, 1H), 2.42-2.35 / 2.20-2.16 (m, 1H), 2.07-2.01 (m, 1H), 1.93-1.77 (m, 2H), 1.72-1.67 (m, 1H), 1.54-1.40 (m, 2H), 111.33 (s, 9H).

Example No. I.132-162:

[1]H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.75 (m, 1H), 6.55 (m, 1H), 4.62 (m, 1H), 3.49-3.41 (m, 1H), 2.71-2.62 (m, 1H), 2.36-2.30 (m, 1H), 2.30 (s, 3H), 2.03-1.93 (m, 1H), 1.90-1.79 (m, 3H), 1.60-1.41 (m, 2H), 1.32-1.16 (m, 1H), 111.31 (s, 9H).

Example No. I.133-162:

[1]H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.76 (m, 1H), 6.53 (m, 1H), 4.61 (m, 1H), 3.47-3.39 (m, 1H), 2.70-2.62 (m, 1H), 2.42-2.28 (m, 3H), 2.02-1.94 (m, 1H), 1.90-1.78 (m, 3H), 1.59-1.40 (m, 2H), 1.33-1.22 (m, 1H), 111.31 (s, 9H), 1.14 (t, 3H).

Example No. I.136-162:

[1]H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.76 (m, 1H), 6.53 (m, 1H), 4.61 (m, 1H), 3.47-3.38 (m, 1H), 2.70-2.62 (m, 1H), 2.39-2.26 (m, 3H), 2.02-1.94 (m, 1H), 1.90-1.78 (m, 3H), 1.70-1.63 (sext, 2H), 1.53-1.38 (m, 2H), 1.33-1.22 (m, 1H), 111.31 (s, 9H), 0.93 (t, 3H).

Example No. I.141-162:

[1]H-NMR (400 MHz, $CDCl_3$ δ, ppm) 6.56 (s, 1H), 5.70 (m, 1H), 4.30 (m, 1H), 3.95-4.10 (m, 1H), 3.40-3.50 (m, 1H), 3.07 (s, 3H), 111.34 (s, 9H).

B. NMR peak list method

In the NMR peak list method, the NMR data of selected examples are recorded in the form of NMR peak lists, where for each signal peak first the δ value in ppm and then, separated by a space, the signal intensity are listed. The δ value/signal intensity number pairs for different signal peaks are listed with separation from one another by semicolons.

The peak list for one example therefore takes the form of:

δ_1 (intensity$_1$); δ_2 (intensity$_2$);……..; δ_i (intensity$_i$);……; δ_n (intensity$_n$)

The intensity of sharp signals correlates with the height of the signals in a printed example of an NMR spectrum in cm and shows the true ratios of the signal intensities. In the case of broad signals, several peaks or the middle of the signal and the relative intensity thereof may be shown in comparison to the most intense signal in the spectrum.

Calibration of the chemical shift of ^{1}H NMR spectra is accomplished using tetramethylsilane and/or the chemical shift of the solvent, particularly in the case of spectra which are measured in DMSO. Therefore, the tetramethylsilane peak may but need not occur in NMR peak lists.

The lists of the ^{1}H NMR peaks are similar to the conventional ^{1}H NMR printouts and thus usually contain all peaks listed in a conventional NMR interpretation.

In addition, like conventional ^{1}H NMR printouts, they may show solvent signals, signals of stereoisomers of the target compounds which are likewise provided by the invention, and/or peaks of impurities.

In the reporting of compound signals within the delta range of solvents and/or water, our lists of ^{1}H NMR peaks show the standard solvent peaks, for example peaks of DMSO in DMSO-D_6 and the peak of water, which usually have a high intensity on average.

Such stereoisomers and/or impurities may be typical of the particular preparation process. Their peaks can thus help in identifying reproduction of our preparation process with reference to "by-product fingerprints".

An expert calculating the peaks of the target compounds by known methods (MestreC, ACD simulation, but also with empirically evaluated expected values) can, if required, isolate the peaks of the target compounds, optionally using additional intensity filters. This isolation would be similar to the relevant peak picking in conventional 1H NMR interpretation.

Further details of ^{1}H NMR peak lists can be found in the Research disclosure Database Number 564025.

The examples which follow illustrate the invention in detail.

Analytical data

No.	NMR
I.2-177	1H-NMR(400.0 MHz, CDCl3): δ= 6.2 (1); 3.6-3.7 (1); 3.2-3.3 (1); 3.0 (3); 2.3-2.4 (1); 2.1-2.2 (1) 2.0 (3); 1.9 (3); 1.3 (9)
I.3-177	1H-NMR(400.0 MHz, CDCl3): δ= 6.3 (1); 3.6-3.7 (1); 3.2-3.3 (1); 3.0409 (3); 2.3787- 2.3459 (3); 2.4-2.3 (1); 1.9220 (3); 1.3628 (9); 1.1504 -1.1126 (3)
I.4-177	1H-NMR(400.0 MHz, CDCl3): δ= 6.3 (1); 3.6-3.7 (1); 3.2-3.3 (1), 3.0409 (3); 2.3-2.4 (3); 2.1-2.2 (1), 1.9226 (3); 1.6-1.7 (2); 1.3607 (9); 0.9-1.0 (3)
I.5-177	1H-NMR(400.0 MHz, CDCl3): δ= 6.3 (1); 3.6-3.7 (1); 3.2-3.3 (1); 3.0458 (3); 2.5-2.6 (1); 2.3-2.4 (1), 2.1-2.2 (1); 1.9264 (3); 1.3596 (9); 1.17 (3); 1.15 (3)
I.7-177	1H-NMR(400.0 MHz, CDCl3): δ= 6.3 (1); 3.6-3.7 (1); 3.2-3.3 (1); 3.0410 (3); 2.3-2.4 (1); 2.0-2.2149 (4); 1.9239 (3); 1.3580 (9); 0.9355 (3); 0.9189 (3)
I.1-451	1H-NMR(400.0 MHz, CDCl3): δ= 8.39 (1); 8.23 (1); 5.67 (1); 4.80 (1); 3.8-3.9 (1); 3.2-3.3 (1); 3.06 (3); 2.1-2.2 (2);
I.2-451	1H-NMR(400.0 MHz, CDCl3): δ= 8.4 (1); 8.2 (1); 7.1 (1); 3.6-3.7 (1); 3.2-3.3 (1); 3.06 (3); 2.2-2.2 (2); 2.0-2.1 (3);
I.3-451	1H-NMR(400.0 MHz, CDCl3): δ= 8.41 (1); 8.21 (1); 7.1 (1); 3.6-3.7 (1); 3.2-3.3 (1); 3.0932 (3); 2.2-2.3 (4); 1.10-1.14 (3)
I.4-451	NMR(400.0 MHz, CDCl3): δ= 8.4035 (1); 8.2017 (1); 7.1 (1); 3.6-3.7 (1); 3.2-3.3 (1); 3.0934 (3); 2.2-2.30 (4); 1.5-1.6 (2); 0.7-0.8 (3)
I.2-501	1H-NMR(400.0 MHz, CDCl3): δ= 8.84 (1); 8.08 (1); 7.3 (1); 3.6-3.7 (1); 3.2-3.3 (1); 3.10 (3); 2.1-2.3 (2); 2.06 (3); 1.3452 (9);
I.3-501	1H-NMR(400.0 MHz, CDCl3): δ= 8.83 (1); 8.08 (1); 7.2 (1); 3.6-3.7 (1); 3.2-3.3 (1); 3.10 (3); 2.1-2.4 (4); 1.3436 (9); 1.1-1.2 (3)
I.4-501	1H-NMR(400.0 MHz, CDCl3): δ= 8.82 (1); 8.07 (1); 7.3 (1); 3.6-3.7 (1); 3.2-3.3 (1); 3.10 (3); 2.1-2.3 (4); 1.6-1.7 (2); 1.34 (9); 0.9-1.0 (3)
I.2-709	1H-NMR(400.0 MHz, CDCl3): δ= 6.67 (1); 3.5-3.6 (1); 3.4-3.5 (1); 3.1-3.2 (2); 3.01 (3); 2.1-2.2 (2); 2.07 (3); 1.42 (3); 1.37 (3)
I.3-709	1H-NMR(400.0 MHz, CDCl3): δ= 6.68-6.67 (1); 3.5-3.6 (1); 3.42-3.38 (1); 3.20-3.16 (2); 3.01 (3); 2.2-2.4 (2); 2.18-2.22 (2); 1.41 (3); 1.37 (3); 1.11-1.13 (3)
I.4-709	1H-NMR(400.0 MHz, CDCl3): δ= 6.68-6.69 (1); 3.54-3.60 (1); 3.37-3.40 (1); 3.17-3.20 (2); 3.01 (3); 2.25-2.35 (2); 2.18-2.21 (2); 1.6-1.7 (2); 1.41 (3); 1.37 (3); 0.94-0.96 (3)
I.42-449	1H-NMR(400.0 MHz, CDCl3): δ= 8.45- 8.47 (1); 8.10-8.11 (1); 7.20-7.21 (1); 7.06-7.0700 (1); 3.6-3.7 (1); 3.06 (3); 2.35-2.45 (1); 2.06 (3); 1.95-2.05 (1); 1.35-1.37 (3)
I.43-449	1H-NMR(400.0 MHz, CDCl3): δ= 8.45-8.46 (1); 8.10 (1); 7.19-7.26 (1); 7.06-7.07 (1); 3.6-3.7 (1); 3.06 (3); 2.28-2.42 (3); 1.95-2.05 (1); 1.35-1.37 (3); 1.10-1.14 (3)
I.44-449	1H-NMR(400.0 MHz, CDCl3): δ= 8.44-8.45 (1); 8.09-8.10 (1); 7.19-7.21 (1); 7.06-7.07 (1); 3.65-3.75 (1); 3.06 (3); 2.34-2.45 (1); 2.26-2.30 (2); 1.95-2.05 (1); 1.56-1.66 (2); 1.35-1.37 (3); 0.90-0.94 (3)
I.63-449	1H-NMR(400.0 MHz, CDCl3): δ= 8.47-8.48 (1); 8.04 (1); 7.21-7.22 (1); 6.78 (1); 3.53-3.56 (1); 3.08 (3); 2.84-2.87 (1); 2.29-2.34 (2); 1.23 (3). 1.09-1.23 (3); 1.05 (3)
I.66-449	1H-NMR(400.0 MHz, CDCl3): δ= 8.47-8.48 (1); 8.03 (1); 7.21-7.22 (1); 6.78 (1); 3.53-3.56 (1); 3.08 (3); 2.84-2.87 (1); 2.25-2.29 (2); 1.56-1.63 (2); 1.23 (3); 1.05 (3); 0.87-0.91 (3)
I.83-449	1H-NMR(400.0 MHz, CDCl3): δ= 8.49-8.50 (1); 8.03-8.04 (1); 7.22-7.23 (1); 7.13-7.14 (1); 3.64-3.67 (1); 3.24-3.27 (1); 3.09 (3); 2.25-2.35 (2); 2.15-2.25 (2); 1.9-2.1 (3); 1.68-1.79 (1); 1.07-1.11 (3)
I.86-449	1H-NMR(400.0 MHz, CDCl3): δ= 8.49-8.50 (1); 8.03 (1); 7.21-7.23 (1); 7.14 (1); 3.64-3.66 (1); 3.24-3.27 (1); 3.09 (3); 2.1-2.3 (4); 1.9-2.1 (3); 1.65-1.79 (1); 1.55-1.65 (2); 0.87-0.90 (3)

I.113-449	1H-NMR(400.0 MHz, CDCl3): δ= 8.49-8.51 (1); 7.99 (1); 7.21-7.23 (1); 6.94 (1); 3.37-3.40 (1); 3.07 (3); 2.96-3.00 (1); 2.27-2.33 (2); 1.55-1.73 (2); 1.4-1.5 (1); 1.25-1.40 (1); 1.07-1.11 (3); 0.87-0.93 (6)
I.116-449	1H-NMR(400.0 MHz, CDCl3): δ= 8.50-8.51 (1); 7.97 (1); 7.21-7.23 (1); 6.94 (1); 3.37-3.40 (1); 3.07 (3); 2.96-3.00 (1); 2.24-2.28 (2); 1.5-1.7 (4); 1.40-1.53 (1); 1.25-1.38 (1); 0.85-1.0 (9)
I.103-162	1H-NMR(400.0 MHz, CDCl3): δ= 6.60 (1); 6.53 (1); 3.55-3.62 (1); 3.05 (3); 2.82-2.90 (1); 2.30-2.45 (2); 1.6-1.8 (8); 1.31 (9); 1.13-1.17 (3)
I.106-162	1H-NMR(400.0 MHz, CDCl3): δ= 6.60-6.61 (1); 6.53 (1); 3.55-3.62 (1); 3.05 (3); 2.82-2.90 (1); 2.25-2.39 (2); 1.6-1.8 (10); 1.31 (9); 0.91-0.95 (3)

The present invention further provides for the use of one or more inventive compounds of the general formula (I) and/or salts thereof, as defined above, preferably in one of the embodiments identified as preferred or particularly preferred, in particular one or more compounds of the formulae (I.1) to (I.150) and/or salts thereof, in each case as defined above, as herbicide and/or plant growth regulator, preferably in crops of useful plants and/or ornamentals.

The present invention further provides a method for controlling harmful plants and/or for regulating the growth of plants, characterized in that an effective amount

- of one or more compounds of the formula (I) and/or salts thereof, as defined above, preferably in one of the embodiments identified as preferred or particularly preferred, in particular one or more compounds of the formulae (I.1) to (I.150) and/or salts thereof, in each case as defined above, or

- of a composition according to the invention, as defined below,

is applied to the (harmful) plants, seeds of (harmful) plants, the soil in which or on which the (harmful) plants grow or the area under cultivation.

The present invention also provides a method for controlling unwanted plants, preferably in crops of useful plants, characterized in that an effective amount

- of one or more compounds of the formula (I) and/or salts thereof, as defined above, preferably in one of the embodiments identified as preferred or particularly preferred, in particular one or more compounds of the formulae (I.1) to (I.150) and/or salts thereof, in each case as defined above, or

- of a composition according to the invention, as defined below,

is applied to unwanted plants (for example harmful plants such as mono- or dicotyledonous weeds or unwanted crop plants), the seed of the unwanted plants (i.e. plant seeds, for example grains, seeds or vegetative propagation organs such as tubers or shoot parts with buds), the soil in which or on which the unwanted plants grow (for example the soil of crop land or non-crop land) or the area under cultivation (i.e. the area on which the unwanted plants will grow).

The present invention also further provides methods for controlling for regulating the growth of plants, preferably of useful plants, characterized in that an effective amount

- of one or more compounds of the formula (I) and/or salts thereof, as defined above, preferably in one of the embodiments identified as preferred or particularly preferred, in particular one or more compounds of the formulae (I.1) to (I.150) and/or salts thereof, in each case as defined above, or

- of a composition according to the invention, as defined below,

is applied to the plant, the seed of the plant (i.e. plant seed, for example grains, seeds or vegetative propagation organs such as tubers or shoot parts with buds), the soil in which or on which the plants grow (for example the soil of crop land or non-crop land) or the area under cultivation (i.e. the area on which the plants will grow).

In this context, the compounds according to the invention or the compositions according to the invention can be applied for example by pre-sowing (if appropriate also by incorporation into the soil), pre-emergence and/or post-emergence processes. Specific examples of some representatives of the monocotyledonous and dicotyledonous weed flora which can be controlled by the compounds according to the invention are as follows, though there is no intention to restrict the enumeration to particular species.

In a method according to the invention for controlling harmful plants or for regulating the growth of plants, one or more compounds of the formula (I) and/or salts thereof are preferably employed for controlling harmful plants or for regulating growth in crops of useful plants or ornamental plants, where in a preferred embodiment the useful plants or ornamental plants are transgenic plants.

The compounds of the formula (I) according to the invention and/or their salts are suitable for controlling the following genera of monocotyledonous and dicotyledonous harmful plants:
Monocotyledonous harmful plants of the genera: Aegilops, Agropyron, Agrostis, Alopecurus, Apera, Avena, Brachiaria, Bromus, Cenchrus, Commelina, Cynodon, Cyperus, Dactyloctenium, Digitaria, Echinochloa, Eleocharis, Eleusine, Eragrostis, Eriochloa, Festuca, Fimbristylis, Heteranthera, Imperata, Ischaemum, Leptochloa, Lolium, Monochoria, Panicum, Paspalum, Phalaris, Phleum, Poa, Rottboellia, Sagittaria, Scirpus, Setaria, Sorghum.
Dicotyledonous harmful plants of the genera: Abutilon, Amaranthus, Ambrosia, Anoda, Anthemis, Aphanes, Artemisia, Atriplex, Bellis, Bidens, Capsella, Carduus, Cassia, Centaurea, Chenopodium, Cirsium, Convolvulus, Datura, Desmodium, Emex, Erysimum, Euphorbia, Galeopsis, Galinsoga,

Galium, Hibiscus, Ipomoea, Kochia, Lamium, Lepidium, Lindernia, Matricaria, Mentha, Mercurialis, Mullugo, Myosotis, Papaver, Pharbitis, Plantago, Polygonum, Portulaca, Ranunculus, Raphanus, Rorippa, Rotala, Rumex, Salsola, Senecio, Sesbania, Sida, Sinapis, Solanum, Sonchus, Sphenoclea, Stellaria, Taraxacum, Thlaspi, Trifolium, Urtica, Veronica, Viola, Xanthium.

When the compounds according to the invention are applied to the soil surface before germination of the harmful plants (weed grasses and/or broad-leaved weeds) (pre-emergence method), either the seedlings of the weed grasses or broad-leaved weeds are prevented completely from emerging or they grow until they have reached the cotyledon stage, but then stop growing and eventually, after three to four weeks have elapsed, die completely.

If the active compounds are applied post-emergence to the green parts of the plants, growth stops after the treatment, and the harmful plants remain at the growth stage at the time of application, or they die completely after a certain time, so that in this manner competition by the weeds, which is harmful to the crop plants, is eliminated very early and in a sustained manner.

Although the compounds according to the invention display an outstanding herbicidal activity against monocotyledonous and dicotyledonous weeds, crop plants of economically important crops, for example dicotyledonous crops of the genera Arachis, Beta, Brassica, Cucumis, Cucurbita, Helianthus, Daucus, Glycine, Gossypium, Ipomoea, Lactuca, Linum, Lycopersicon, Miscanthus, Nicotiana, Phaseolus, Pisum, Solanum, Vicia, or monocotyledonous crops of the genera Allium, Ananas, Asparagus, Avena, Hordeum, Oryza, Panicum, Saccharum, Secale, Sorghum, Triticale, Triticum, Zea, are damaged only to an insignificant extent, or not at all, depending on the structure of the respective compound according to the invention and its application rate. For these reasons, the present compounds are very suitable for selective control of unwanted plant growth in plant crops such as agriculturally useful plants or ornamental plants.

In addition, the compounds of the invention (depending on their particular structure and the application rate deployed) have outstanding growth-regulating properties in crop plants. They intervene in the plants' own metabolism with regulatory effect, and can thus be used for the controlled influencing of plant constituents and to facilitate harvesting, for example by triggering desiccation and stunted growth. Furthermore, they are also suitable for the general control and inhibition of unwanted vegetative growth without killing the plants in the process. Inhibition of vegetative growth plays a major role for many mono- and dicotyledonous crops since, for example, this can reduce or completely prevent lodging.

By virtue of their herbicidal and plant growth regulatory properties, the active compounds can also be used to control harmful plants in crops of genetically modified plants or plants modified by conventional mutagenesis. In general, the transgenic plants are characterized by particular advantageous properties, for example by resistances to certain pesticides, in particular certain herbicides, resistances to plant diseases or pathogens of plant diseases, such as certain insects or microorganisms such as fungi, bacteria or viruses. Other specific characteristics relate, for example, to the harvested material with regard to quantity, quality, storability, composition and specific constituents. For instance, there are known transgenic plants with an elevated starch content or altered starch quality, or those with a different fatty acid composition in the harvested material.

It is preferred with a view to transgenic crops to use the compounds according to the invention and/or their salts in economically important transgenic crops of useful plants and ornamentals, for example of cereals such as wheat, barley, rye, oats, millet, rice and corn or else crops of sugar beet, cotton, soybean, oilseed rape, potato, tomato, peas and other vegetables.
It is preferred to employ the compounds according to the invention as herbicides in crops of useful plants which are resistant, or have been made resistant by recombinant means, to the phytotoxic effects of the herbicides.

By virtue of their herbicidal and plant growth regulatory properties, the active compounds can also be used to control harmful plants in crops of genetically modified plants which are known or are yet to be developed. In general, the transgenic plants are characterized by particular advantageous properties, for example by resistances to certain pesticides, in particular certain herbicides, resistances to plant diseases or pathogens of plant diseases, such as certain insects or microorganisms such as fungi, bacteria or viruses. Other specific characteristics relate, for example, to the harvested material with regard to quantity, quality, storability, composition and specific constituents. For instance, there are known transgenic plants with an elevated starch content or altered starch quality, or those with a different fatty acid composition in the harvested material. Further special properties may be tolerance or resistance to abiotic stressors, for example heat, cold, drought, salinity and ultraviolet radiation.

Preference is given to the use of the compounds of the formula (I) according to the invention or salts thereof in economically important transgenic crops of useful plants and ornamental plants, for example of cereals such as wheat, barley, rye, oats, triticale, millet, rice, cassava and corn, or else crops of sugar beet, cotton, soybean, oilseed rape, potatoes, tomatoes, peas and other vegetables.

The compounds of the formula (I) can preferably be used as herbicides in crops of useful plants which are resistant, or have been made resistant by recombinant means, to the phytotoxic effects of the herbicides.

Conventional ways of producing novel plants which have modified properties in comparison to existing plants consist, for example, in traditional cultivation methods and the generation of mutants. Alternatively, novel plants with altered properties can be generated with the aid of recombinant methods.

A large number of molecular-biological techniques by means of which novel transgenic plants with modified properties can be generated are known to the person skilled in the art. For such genetic manipulations, nucleic acid molecules which allow mutagenesis or sequence alteration by recombination of DNA sequences can be introduced into plasmids. With the aid of standard methods, it is possible, for example, to undertake base exchanges, remove part sequences or add natural or synthetic sequences. To connect the DNA fragments to each other, adapters or linkers may be added to the fragments.

For example, the generation of plant cells with a reduced activity of a gene product can be achieved by expressing at least one corresponding antisense RNA, a sense RNA for achieving a cosuppression effect, or by expressing at least one suitably constructed ribozyme which specifically cleaves transcripts of the abovementioned gene product.

To this end, it is firstly possible to use DNA molecules which encompass the entire coding sequence of a gene product inclusive of any flanking sequences which may be present, and also DNA molecules which only encompass portions of the coding sequence, in which case it is necessary for these portions to be long enough to have an antisense effect in the cells. It is also possible to use DNA sequences which have a high degree of homology to the coding sequences of a gene product, but are not completely identical to them.

When expressing nucleic acid molecules in plants, the protein synthesized may be localized in any desired compartment of the plant cell. However, to achieve localization in a particular compartment, it is possible, for example, to join the coding region to DNA sequences which ensure localization in a particular compartment. Such sequences are known to those skilled in the art (see, for example, Braun et al., EMBO J. 11 (1992), 3219-3227). The nucleic acid molecules can also be expressed in the organelles of the plant cells.

The transgenic plant cells can be regenerated by known techniques to give rise to entire plants. In principle, the transgenic plants may be plants of any desired plant species, i.e. not only monocotyledonous but also dicotyledonous plants.

Thus, transgenic plants can be obtained whose properties are altered by overexpression, suppression or inhibition of homologous (= natural) genes or gene sequences or expression of heterologous (= foreign) genes or gene sequences.

It is preferred to employ the compounds (I) according to the invention in transgenic crops which are resistant to growth regulators such as, for example, dicamba, or to herbicides which inhibit essential plant enzymes, for example acetolactate synthases (ALS), EPSP synthases, glutamine synthases (GS) or hydroxyphenylpyruvate dioxygenases (HPPD), or to herbicides from the group of the sulfonylureas, glyphosates, glufosinates or benzoylisoxazoles and analogous active compounds.

When the active compounds of the invention are employed in transgenic crops, not only do the effects towards harmful plants observed in other crops occur, but frequently also effects which are specific to the application in the particular transgenic crop, for example an altered or specifically widened spectrum of weeds which can be controlled, altered application rates which can be used for the application, preferably good combinability with the herbicides to which the transgenic crop is resistant, and influencing of growth and yield of the transgenic crop plants.

The invention therefore also relates to the use of the compounds of the formula (I) according to the invention and/or their salts as herbicides for controlling harmful plants in crops of useful plants or ornamentals, optionally in transgenic crop plants.

Preference is given to the use in cereals, here preferably corn, wheat, barley, rye, oats, millet or rice, by the pre- or post-emergence method.

Preference is also given to the use in soybeans by the pre- or post-emergence method.

The use according to the invention for the control of harmful plants or for growth regulation of plants also includes the case in which the active compound of the formula (I) or its salt is not formed from a precursor substance (“prodrug”) until after application on the plant, in the plant or in the soil.
The invention also provides for the use of one or more compounds of the formula (I) or salts thereof or of a composition according to the invention (as defined below) (in a method) for controlling harmful plants or for regulating the growth of plants which comprises applying an effective amount of one or more compounds of the formula (I) or salts thereof onto the plants (harmful plants, if appropriate together with the useful plants), plant seeds, the soil in which or on which the plants grow or the area under cultivation.

The invention also provides a herbicidal and/or plant growth-regulating composition, characterized in that the composition comprises

(a) one or more compounds of the formula (I) and/or salts thereof, as defined above, preferably in one of the embodiments identified as preferred or particularly preferred, in particular one or more compounds of the formulae (I.1) to (I.150) and/or salts thereof, in each case as defined above,
and

(b) one or more further substances selected from groups (i) and/or (ii):

(i) one or more further agrochemically active substances, preferably selected from the group consisting of insecticides, acaricides, nematicides, further herbicides (i.e. those not corresponding to the formula (I) defined above), fungicides, safeners, fertilizers and/or further growth regulators,

(ii) one or more formulation auxiliaries customary in crop protection.

Here, the further agrochemically active substances of component (i) of a composition according to the invention are preferably selected from the group of substances mentioned in "The Pesticide Manual", 16th edition, The British Crop Protection Council and the Royal Soc. of Chemistry, 2012.

A herbicidal or plant growth-regulating composition according to the invention comprises preferably one, two, three or more formulation auxiliaries (ii) customary in crop protection selected from the group consisting of surfactants, emulsifiers, dispersants, film-formers, thickeners, inorganic salts, dusting agents, carriers solid at 25°C and 1013 mbar, preferably adsorptive granulated inert materials, wetting agents, antioxidants, stabilizers, buffer substances, antifoam agents, water, organic solvents, preferably organic solvents miscible with water in any ratio at 25°C and 1013 mbar.

The compounds (I) according to the invention can be used in the form of wettable powders, emulsifiable concentrates, sprayable solutions, dusting products or granules in the customary formulations. The invention therefore also provides herbicidal and plant growth-regulating compositions which comprise compounds of the formula (I) and/or salts thereof.

The compounds of the formula (I) and/or salts thereof can be formulated in various ways according to which biological and/or physicochemical parameters are required. Possible formulations include, for example: wettable powders (WP), water-soluble powders (SP), water-soluble concentrates, emulsifiable concentrates (EC), emulsions (EW), such as oil-in-water and water-in-oil emulsions, sprayable solutions, suspension concentrates (SC), dispersions based on oil or water, oil-miscible solutions, capsule suspensions (CS), dusting products (DP), dressings, granules for scattering and soil application, granules (GR) in the form of microgranules, spray granules, absorption and adsorption granules, water-dispersible granules (WG), water-soluble granules (SG), ULV formulations, microcapsules and waxes.

These individual formulation types and the formulation assistants, such as inert materials, surfactants, solvents and further additives, are known to the person skilled in the art and are described, for example, in: Watkins, "Handbook of Insecticide Dust Diluents and Carriers", 2nd ed., Darland Books, Caldwell N.J., H.v. Olphen, "Introduction to Clay Colloid Chemistry"; 2nd ed., J. Wiley & Sons, N.Y., C. Marsden, "Solvents Guide", 2nd ed., Interscience, N.Y. 1963; McCutcheon's "Detergents and Emulsifiers Annual", MC Publ. Corp., Ridgewood N.J.; Sisley and Wood, "Encyclopedia of Surface Active Agents", Chem. Publ. Co. Inc., N.Y. 1964, Schönfeldt, "Grenzflächenaktive Äthylenoxidaddukte" [Interface-active Ethylene Oxide Adducts], Wiss. Verlagsgesellschaft, Stuttgart 1976, Winnacker-Küchler, "Chemische Technologie" [Chemical Technology], volume 7, C. Hanser Verlag Munich, 4th ed. 1986.

Wettable powders are preparations which can be dispersed uniformly in water and, in addition to the active compound, apart from a diluent or inert substance, also comprise surfactants of the ionic and/or nonionic type (wetting agents, dispersants), for example polyoxyethylated alkylphenols, polyoxyethylated fatty alcohols, polyoxyethylated fatty amines, fatty alcohol polyglycol ether sulfates, alkanesulfonates, alkylbenzenesulfonates, sodium lignosulfonate, sodium 2,2'-dinaphthylmethane-6,6'-disulfonate, sodium dibutylnaphthalenesulfonate or else sodium oleoylmethyltaurate. To produce the wettable powders, the herbicidally active compounds are finely ground, for example in customary apparatuses such as hammer mills, blower mills and air-jet mills, and simultaneously or subsequently mixed with the formulation auxiliaries.

Emulsifiable concentrates are produced by dissolving the active compound in an organic solvent, for example butanol, cyclohexanone, dimethylformamide, xylene, or else relatively high-boiling aromatics or hydrocarbons or mixtures of the organic solvents, with addition of one or more ionic and/or nonionic surfactants (emulsifiers). Examples of emulsifiers which may be used are: calcium alkylarylsulfonate salts, for example calcium dodecylbenzenesulfonate, or nonionic emulsifiers such as fatty acid polyglycol esters, alkylaryl polyglycol ethers, fatty alcohol polyglycol ethers, propylene oxide-ethylene oxide condensation products, alkyl polyethers, sorbitan esters, for example sorbitan fatty acid esters, or polyoxyethylene sorbitan esters, for example polyoxyethylene sorbitan fatty acid esters.

Dusting products are obtained by grinding the active compound with finely distributed solids, for example talc, natural clays, such as kaolin, bentonite and pyrophyllite, or diatomaceous earth.

Suspension concentrates may be water- or oil-based. They may be prepared, for example, by wet-grinding by means of commercial bead mills and optional addition of surfactants as have, for example, already been listed above for the other formulation types.

Emulsions, for example oil-in-water emulsions (EW), can be produced, for example, by means of stirrers, colloid mills and/or static mixers using aqueous organic solvents and optionally surfactants as already listed above, for example, for the other formulation types.

Granules can be prepared either by spraying the active compound onto granular inert material capable of adsorption or by applying active compound concentrates to the surface of carrier substances, such as sand, kaolinites or granular inert material, by means of adhesives, for example polyvinyl alcohol, sodium polyacrylate or mineral oils. Suitable active compounds can also be granulated in the manner customary for the production of fertilizer granules - if desired as a mixture with fertilizers.

Water-dispersible granules are produced generally by the customary processes such as spray-drying, fluidized-bed granulation, pan granulation, mixing with high-speed mixers and extrusion without solid inert material.

For the production of pan granules, fluidized bed granules, extruder granules and spray granules, see, for example, processes in "Spray-Drying Handbook" 3rd ed. 1979, G. Goodwin Ltd., London; J.E. Browning, "Agglomeration", Chemical and Engineering 1967, pages 147 ff.; "Perry's Chemical Engineer's Handbook", 5th Ed., McGraw-Hill, New York 1973, pp. 8-57.

For further details regarding the formulation of crop protection compositions, see, for example, G.C. Klingman, "Weed Control as a Science", John Wiley and Sons, Inc., New York, 1961, pages 81-96 and J.D. Freyer, S.A. Evans, "Weed Control Handbook", 5th Ed., Blackwell Scientific Publications, Oxford, 1968, pages 101-103.

The agrochemical preparations, preferably herbicidal or plant growth-regulating compositions, of the present invention preferably comprise a total amount of from 0.1 to 99% by weight, preferably 0.5 to 95% by weight, particularly preferably 1 to 90% by weight, especially preferably 2 to 80% by weight, of active compounds of the formula (I) and their salts.

In wettable powders, the active compound concentration is, for example, about 10 to 90% by weight, the remainder to 100% by weight consisting of customary formulation constituents. In emulsifiable concentrates, the active compound concentration may be about 1% to 90% and preferably 5% to 80% by weight. Formulations in the form of dusts comprise 1% to 30% by weight of active compound, preferably usually 5% to 20% by weight of active compound; sprayable solutions contain about 0.05% to 80% by weight, preferably 2% to 50% by weight of active compound. In the case of water-dispersible granules, the active compound content depends partially on whether the active compound is in liquid or solid form and on which granulation auxiliaries, fillers, etc., are used. In the water-dispersible granules, the content of active compound is, for example, between 1 and 95% by weight, preferably between 10 and 80% by weight.

In addition, the active compound formulations mentioned optionally comprise the respective customary stickers, wetters, dispersants, emulsifiers, penetrants, preservatives, antifreeze agents and solvents, fillers, carriers and dyes, defoamers, evaporation inhibitors and agents which influence the pH and the viscosity. Examples of formulation auxiliaries are described inter alia in "Chemistry and Technology of Agrochemical Formulations", ed. D.A. Knowles, Kluwer Academic Publishers (1998).

The compounds of the formula (I) or salts thereof can be used as such or in the form of their preparations (formulations) in a combination with other pesticidally active substances, for example insecticides, acaricides, nematicides, herbicides, fungicides, safeners, fertilizers and/or growth regulators, for example in the form of a finished formulation or of a tank mix. The combination formulations can be prepared on the basis of the abovementioned formulations, while taking account of the physical properties and stabilities of the active compounds to be combined.

Active compounds which can be employed in combination with the compounds of the formula (I) according to the invention in mixture formulations or in a tank mix are, for example, known active compounds based on inhibition of, for example, acetolactate synthase, acetyl-CoA carboxylase, cellulose synthase, enolpyruvylshikimate-3-phosphate synthase, glutamine synthetase, p-hydroxyphenylpyruvate dioxygenase, phytoene, desaturase, photosystem I, photosystem II, protoporphyrinogen oxidase, as described, for example, in Weed Research 26 (1986) 441-445 or "The Pesticide Manual", 16th edition, The British Crop Protection Council and the Royal Soc. of Chemistry, 2012 and literature cited therein.

Of particular interest is the selective control of harmful plants in crops of useful plants and ornamentals. Although the compounds (I) according to the invention have already demonstrated very good to adequate selectivity in a large number of crops, in principle, in some crops and in particular also in the case of mixtures with other, less selective herbicides, phytotoxicities on the crop plants may occur. In this connection, combinations of compounds (I) according to the invention are of particular interest which comprise the compounds (I) or their combinations with other herbicides or pesticides and safeners. The safeners, which are used in an antidotically effective amount, reduce the phytotoxic side effects of the herbicides/pesticides employed, for example in economically important crops, such as cereals (wheat, barley, rye, corn, rice, millet), sugarbeet, sugarcane, oilseed rape, cotton and soybeans, preferably cereals.

The weight ratios of herbicide (mixture) to safener depend generally on the herbicide application rate and the efficacy of the safener in question and may vary within wide limits, for example in the range from 200:1 to 1:200, preferably 100:1 to 1:100, in particular 20:1 to 1:20. Analogously to the compounds (I) or mixtures thereof, the safeners can be formulated with further herbicides/pesticides and be provided and employed as a finished formulation or tank mix with the herbicides.

For application, the herbicide or herbicide/safener formulations present in commercial form are, if appropriate, diluted in a customary manner, for example in the case of wettable powders, emulsifiable concentrates, dispersions and water-dispersible granules with water. Dust-type preparations, granules for soil application or granules for scattering and sprayable solutions are not normally diluted further with other inert substances prior to application.

The application rate of the compounds of the formula (I) and/or their salts is affected to a certain extent by external conditions such as temperature, humidity, etc. Here, the application rate may vary within wide limits. For the application as a herbicide for controlling harmful plants, the total amount of compounds of the formula (I) and their salts is preferably in the range from 0.001 to 10.0 kg/ha, with preference in the range from 0.005 to 5 kg/ha, more preferably in the range from 0.01 to 1.5 kg/ha, in particular preferably in the range from 0.05 to 1 kg/ha. This applies both to the pre-emergence and the post-emergence application.

When compounds of the formula (I) and/or their salts are used as plant growth regulator, for example as culm stabilizer for crop plants like those mentioned above, preferably cereal plants, such as wheat, barley, rye, triticale, millet, rice or corn, the total application rate is preferably in the range of from 0.001 to 2 kg/ha, preferably in the range of from 0.005 to 1 kg/ha, in particular in the range of from 10 to 500 g/ha, very particularly in the range from 20 to 250 g/ha. This applies both to the pre-emergence and the post-emergence application.

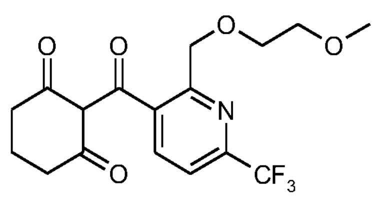
The application as culm stabilizer may take place at various stages of the growth of the plants. Preferred is, for example, the application after the tillering phase, at the beginning of the longitudinal growth.

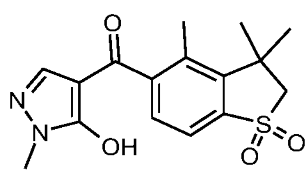
As an alternative, application as plant growth regulator is also possible by treating the seed, which includes various techniques for dressing and coating seed. Here, the application rate depends on the particular techniques and can be determined in preliminary tests.

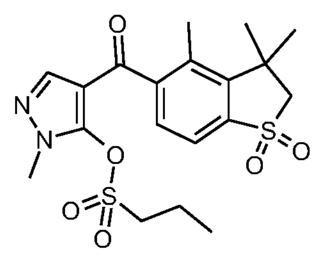
Active compounds which can be employed in combination with the compounds of the formula (I) according to the invention in compositions according to the invention (for example in mixed formulations or in the tank mix) are, for example, known active compounds which are based on the inhibition of, for example, acetolactate synthase, acetyl-CoA carboxylase, cellulose synthase, enolpyruvylshikimate-3-phosphate synthase, glutamine synthetase, p-hydroxyphenylpyruvate dioxygenase, phytoene desaturase, photosystem I, photosystem II or protoporphyrinogen oxidase, as are described in, for example, Weed Research 26 (1986) 441-445 or "The Pesticide Manual", 16th edition, The British Crop Protection Council and the Royal Soc. of Chemistry, 2012 and the literature cited therein. Known herbicides or plant growth regulators which can be combined with the compounds according to the invention are, for example, the following active compounds, where said compounds are designated either with their "common name" in accordance with the International Organization for Standardization (ISO) or with the chemical name or with the code number. They always encompass all of the application forms such as, for example, acids, salts, esters and also all isomeric forms such as stereoisomers and optical isomers, even if they are not explicitly mentioned.

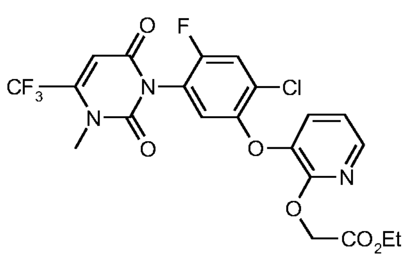
Examples of such herbicidal mixing partners are:
acetochlor, acifluorfen, acifluorfen-sodium, aclonifen, alachlor, allidochlor, alloxydim, alloxydim-sodium, ametryn, amicarbazone, amidochlor, amidosulfuron, 4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methylphenyl)-5-fluoropyridine-2-carboxylic acid, aminocyclopyrachlor, aminocyclopyrachlor-potassium, aminocyclopyrachlor-methyl, aminopyralid, amitrole, ammoniumsulfamate, anilofos, asulam, atrazine, azafenidin, azimsulfuron, beflubutamid, benazolin, benazolin-ethyl, benfluralin, benfuresate, bensulfuron, bensulfuron-methyl, bensulide, bentazone, benzobicyclon, benzofenap, bicyclopyron, bifenox, bilanafos, bilanafos-sodium, bispyribac, bispyribac-sodium, bromacil, bromobutide, bromofenoxim, bromoxynil, bromoxynil-butyrate, -potassium, -heptanoate and -octanoate, busoxinone, butachlor, butafenacil, butamifos, butenachlor, butralin, butroxydim, butylate, cafenstrole, carbetamide, carfentrazone, carfentrazone-ethyl, chloramben, chlorbromuron, chlorfenac, chlorfenac-sodium, chlorfenprop, chlorflurenol, chlorflurenol-methyl, chloridazon, chlorimuron, chlorimuron-ethyl, chlorophthalim, chlorotoluron, chlorthal-dimethyl, chlorsulfuron, cinidon, cinidon-ethyl, cinmethylin, cinosulfuron, clacyfos, clethodim, clodinafop, clodinafop-propargyl, clomazone, clomeprop, clopyralid, cloransulam, cloransulam-methyl, cumyluron, cyanamide, cyanazine, cycloate, cyclopyrimorate, cyclosulfamuron, cycloxydim, cyhalofop, cyhalofop-butyl, cyprazine, 2,4-D, 2,4-D-butotyl, -butyl, -dimethylammonium, -diolamin, -ethyl, 2-ethylhexyl, -isobutyl, -isooctyl, -isopropylammonium, -potassium, -triisopropanolammonium and -trolamine, 2,4-DB, 2,4-DB-butyl, -dimethylammonium, isooctyl, -potassium and -sodium, daimuron (dymron), dalapon, dazomet, n-decanol, desmedipham, detosyl-pyrazolate (DTP), dicamba, dichlobenil, 2-(2,4-dichlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one, 2-(2,5-dichlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one, dichlorprop, dichlorprop-P, diclofop,

diclofop-methyl, diclofop-P-methyl, diclosulam, difenzoquat, diflufenican, diflufenzopyr, diflufenzopyr-sodium, dimefuron, dimepiperate, dimethachlor, dimethametryn, dimethenamid, dimethenamid-P, dimetrasulfuron, dinitramine, dinoterb, diphenamid, diquat, diquat-dibromide, dithiopyr, diuron, DNOC, endothal, EPTC, esprocarb, ethalfluralin, ethametsulfuron, ethametsulfuron-methyl, ethiozin, ethofumesate, ethoxyfen, ethoxyfen-ethyl, ethoxysulfuron, etobenzanid, F-9600, F-5231, i.e. N-[2-chloro-4-fluoro-5-[4-(3-fluoropropyl)-4,5-dihydro-5-oxo-1H-tetrazol-1-yl]phenyl]ethanesulfonamide, F-7967, i.e. 3-[7-chloro-5-fluoro-2-(trifluoromethyl)-1H-benzimidazol-4-yl]-1-methyl-6-(trifluoromethyl)pyrimidine-2,4(1H,3H)-dione, fenoxaprop, fenoxaprop-P, fenoxaprop-ethyl, fenoxaprop-P-ethyl, fenoxasulfone, fenquinotrione, fentrazamide, flamprop, flamprop-M-isopropyl, flamprop-M-methyl, flazasulfuron, florasulam, fluazifop, fluazifop-P, fluazifop-butyl, fluazifop-P-butyl, flucarbazone, flucarbazone-sodium, flucetosulfuron, fluchloralin, flufenacet, flufenpyr, flufenpyr-ethyl, flumetsulam, flumiclorac, flumiclorac-pentyl, flumioxazin, fluometuron, flurenol, flurenol-butyl, -dimethylammonium and -methyl, fluoroglycofen, fluoroglycofen-ethyl, flupropanate, flupyrsulfuron, flupyrsulfuron-methyl-sodium, fluridone, flurochloridone, fluroxypyr, fluroxypyr-meptyl, flurtamone, fluthiacet, fluthiacet-methyl, fomesafen, fomesafen-sodium, foramsulfuron, fosamine, glufosinate, glufosinate-ammonium, glufosinate-P-sodium, glufosinate-P-ammonium, glufosinate-P-sodium, glyphosate, glyphosate-ammonium, -isopropylammonium, -diammonium, -dimethylammonium, -potassium, -sodium and -trimesium, H-9201, i.e. O-2,4-dimethyl-6-nitrophenyl O-ethyl isopropylphosphoramidothioate, halauxifen, halauxifen-methyl, halosafen, halosulfuron, halosulfuron-methyl, haloxyfop, haloxyfop-P, haloxyfop-ethoxyethyl, haloxyfop-P-ethoxyethyl, haloxyfop-methyl, haloxyfop-P-methyl, hexazinone, HW-02, i.e. 1-dimethoxyphosphorylethyl 2,4-dichlorophenoxyacetate, imazamethabenz, imazamethabenz-methyl, imazamox, imazamox-ammonium, imazapic, imazapic-ammonium, imazapyr, imazapyr-isopropylammonium, imazaquin, imazaquin-ammonium, imazethapyr, imazethapyr-immonium, imazosulfuron, indanofan, indaziflam, iodosulfuron, iodosulfuron-methyl-sodium, ioxynil, ioxynil-octanoate, -potassium and -sodium, ipfencarbazone, isoproturon, isouron, isoxaben, isoxaflutole, karbutilate, KUH-043, i.e. 3-({[5-(difluoromethyl)-1-methyl-3-(trifluoromethyl)-1H-pyrazol-4-yl]methyl}sulfonyl)-5,5-dimethyl-4,5-dihydro-1,2-oxazole, ketospiradox, lactofen, lenacil, linuron, MCPA, MCPA-butotyl, -dimethylammonium, -2-ethylhexyl, -isopropylammonium, -potassium and -sodium, MCPB, MCPB-methyl, -ethyl and -sodium, mecoprop, mecoprop-sodium, and -butotyl, mecoprop-P, mecoprop-P-butotyl, -dimethylammonium, -2-ethylhexyl and -potassium, mefenacet, mefluidide, mesosulfuron, mesosulfuron-methyl, mesotrione, methabenzthiazuron, metam, metamifop, metamitron, metazachlor, metazosulfuron, methabenzthiazuron, methiopyrsulfuron, methiozolin, methyl isothiocyanate, metobromuron, metolachlor, S-metolachlor, metosulam, metoxuron, metribuzin, metsulfuron, metsulfuron-methyl, molinate, monolinuron, monosulfuron, monosulfuron-ester, MT-5950, i.e. N-[3-chloro-4-(1-methylethyl)-phenyl]-2-methylpentanamide, NGGC-011, napropamide, NC-310, i.e. 4-(2,4-dichlorobenzoyl)-1-methyl-5-benzyloxypyrazole, neburon, nicosulfuron, nonanoic acid (pelargonic acid), norflurazon, oleic acid (fatty acids), orbencarb, orthosulfamuron, oryzalin, oxadiargyl, oxadiazon, oxasulfuron, oxaziclomefon, oxyfluorfen, paraquat, paraquat dichloride, pebulate, pendimethalin, penoxsulam, pentachlorphenol, pentoxazone, pethoxamid, petroleum oils, phenmedipham, picloram, picolinafen, pinoxaden, piperophos, pretilachlor, primisulfuron, primisulfuron-methyl, prodiamine, profoxydim, prometon, prometryn, propachlor, propanil, propaquizafop, propazine, propham, propisochlor, propoxycarbazone, propoxycarbazone-sodium, propyrisulfuron, propyzamide, prosulfocarb, prosulfuron, pyraclonil, pyraflufen, pyraflufen-ethyl, pyrasulfotole, pyrazolynate (pyrazolate), pyrazosulfuron, pyrazosulfuron-ethyl, pyrazoxyfen, pyribambenz, pyribambenz-isopropyl, pyribambenz-propyl, pyribenzoxim, pyributicarb, pyridafol, pyridate, pyriftalid, pyriminobac, pyriminobac-methyl, pyrimisulfan, pyrithiobac, pyrithiobac-sodium, pyroxasulfone, pyroxsulam, quinclorac, quinmerac, quinoclamine, quizalofop, quizalofop-ethyl, quizalofop-P, quizalofop-P-ethyl, quizalofop-P-tefuryl, rimsulfuron, saflufenacil, sethoxydim, siduron, simazine, simetryn, SL-261, sulcotrion, sulfentrazone, sulfometuron, sulfometuron-methyl, sulfosulfuron, SYN-523, SYP-249, i.e. 1-ethoxy-3-methyl-1-oxobut-3-en-2-yl 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate, SYP-300, i.e. 1-[7-fluoro-3-oxo-4-(prop-2-yn-1-yl)-3,4-dihydro-2H-1,4-benzoxazin-6-yl]-3-propyl-2-thioxoimidazolidine-4,5-dione, 2,3,6-TBA, TCA (trifluoroacetic acid), TCA-sodium, tebuthiuron, tefuryltrione, tembotrione, tepraloxydim, terbacil, terbucarb, terbumeton, terbuthylazin, terbutryn, thenylchlor, thiazopyr, thiencarbazone, thiencarbazone-methyl, thifensulfuron, thifensulfuron-methyl, thiobencarb, tiafenacil, tolpyralate, topramezone, tralkoxydim, triafamone, tri-allate, triasulfuron, triaziflam, tribenuron, tribenuron-methyl, triclopyr, trietazine, trifloxysulfuron, trifloxysulfuron-sodium, trifludimoxazin, trifluralin, triflusulfuron, triflusulfuron-methyl, tritosulfuron, urea sulfate, vernolate, XDE-848, ZJ-0862, i.e. 3,4-dichloro-N-{2-[(4,6-dimethoxypyrimidin-2-yl)oxy]benzyl}aniline, and also the following compounds:









Examples of plant growth regulators as possible mixing partners are:
acibenzolar, acibenzolar-S-methyl, 5-aminolevulinic acid, ancymidol, 6-benzylaminopurine, brassinolide, catechol, chlormequat chloride, cloprop, cyclanilide, 3-(cycloprop-1-enyl)propionic acid, daminozide, dazomet, n-decanol, dikegulac, dikegulac-sodium, endothal, endothal-dipotassium, -disodium, and mono(N,N-dimethylalkylammonium), ethephon, flumetralin, flurenol, flurenol-butyl, flurprimidol, forchlorfenuron, gibberellic acid, inabenfide, indole-3-acetic acid (IAA), 4-indol-3-ylbutyric acid, isoprothiolane, probenazole, jasmonic acid, jasmonic acid methyl ester, maleic hydrazide, mepiquat chloride, 1-methylcyclopropene, 2-(1-naphthyl)acetamide, 1-naphthylacetic acid, 2-naphthyloxyacetic acid, nitrophenoxide mixture, 4-oxo-4[(2-phenylethyl)amino]butyric acid, paclobutrazole, N-phenylphthalamic acid, prohexadione, prohexadione-calcium, prohydrojasmone, salicylic acid, strigolactone, tecnazene, thidiazuron, triacontanol, trinexapac, trinexapac-ethyl, tsitodef, uniconazole, uniconazole-P.

Suitable combination partners for the compounds of the formula (I) according to the invention also include, for example, the following safeners:

S1) Compounds from the group of heterocyclic carboxylic acid derivatives:

S1^{a}) Compounds of the dichlorophenylpyrazoline-3-carboxylic acid type (S1^{a}), preferably compounds such as

1-(2,4-dichlorophenyl)-5-(ethoxycarbonyl)-5-methyl-2-pyrazoline-3-carboxylic acid, ethyl 1-(2,4-dichlorophenyl)-5-(ethoxycarbonyl)-5-methyl-2-pyrazoline-3-carboxylate (S1-1) ("mefenpyr-diethyl"), and related compounds as described in WO-A-91/07874;

S1^{b}) Derivatives of dichlorophenylpyrazolecarboxylic acid (S1^{b}), preferably compounds such as ethyl 1-(2,4-dichlorophenyl)-5-methylpyrazole-3-carboxylate (S1-2), ethyl 1-(2,4-dichlorophenyl)-5-isopropylpyrazole-3-carboxylate (S1-3), ethyl 1-(2,4-dichlorophenyl)-5-(1,1-dimethylethyl)pyrazole-3-carboxylate (S1-4) and related compounds as described in EP-A-333131 and EP-A-269806;

S1^{c}) Derivatives of 1,5-diphenylpyrazole-3-carboxylic acid (S1^{c}), preferably compounds such as ethyl 1-(2,4-dichlorophenyl)-5-phenylpyrazole-3-carboxylate (S1-5), methyl 1-(2-chlorophenyl)-5-phenylpyrazole-3-carboxylate (S1-6) and related compounds as described, for example, in EP-A-268554;

S1^{d}) Compounds of the triazolecarboxylic acid type (S1^{d}), preferably compounds such as fenchlorazole(-ethyl ester), i.e. ethyl 1-(2,4-dichlorophenyl)-5-trichloromethyl-1H-1,2,4-triazole-3-carboxylate (S1-7), and related compounds, as described in EP-A-174562 and EP-A-346620;

S1[e]) Compounds of the 5-benzyl- or 5-phenyl-2-isoxazoline-3-carboxylic acid or of the 5,5-diphenyl-2-isoxazoline-3-carboxylic acid type (S1[e]), preferably compounds such as ethyl 5-(2,4-dichlorobenzyl)-2-isoxazoline-3-carboxylate (S1-8) or ethyl 5-phenyl-2-isoxazoline-3-carboxylate (S1-9) and related compounds as described in WO-A-91/08202, or 5,5-diphenyl-2-isoxazolinecarboxylic acid (S1-10) or ethyl 5,5-diphenyl-2-isoxazoline-3-carboxylate (S1-11) ("isoxadifen-ethyl") or n-propyl 5,5-diphenyl-2-isoxazoline-3-carboxylate (S1-12) or ethyl 5-(4-fluorophenyl)-5-phenyl-2-isoxazoline-3-carboxylate (S1-13), as described in patent application WO-A-95/07897.

S2) Compounds from the group of the 8-quinolinoxy derivatives (S2):

S2[a]) Compounds of the 8-quinolinoxyacetic acid type (S2[a]), preferably 1-methylhexyl (5-chloro-8-quinolinoxy)acetate ("cloquintocet-mexyl") (S2-1), 1,3-dimethylbut-1-yl (5-chloro-8-quinolinoxy)acetate (S2-2), 4-allyloxybutyl (5-chloro-8-quinolinoxy)acetate (S2-3), 1-allyloxyprop-2-yl (5-chloro-8-quinolinoxy)acetate (S2-4), ethyl (5-chloro-8-quinolinoxy)acetate (S2-5), methyl (5-chloro-8-quinolinoxy)acetate (S2-6), allyl (5-chloro-8-quinolinoxy)acetate (S2-7), 2-(2-propylideneiminoxy)-1-ethyl (5-chloro-8-quinolinoxy)acetate (S2-8), 2-oxoprop-1-yl (5-chloro-8-quinolinoxy)acetate (S2-9) and related compounds, as described in EP-A-86750, EP-A-94349 and EP-A-191736 or EP-A-0 492 366, and also (5-chloro-8-quinolinoxy)acetic acid (S2-10), hydrates and salts thereof, for example the lithium, sodium, potassium, calcium, magnesium, aluminum, iron, ammonium, quaternary ammonium, sulfonium or phosphonium salts thereof, as described in WO-A-2002/34048;

S2[b]) Compounds of the (5-chloro-8-quinolinoxy)malonic acid type (S2[b]), preferably compounds such as diethyl (5-chloro-8-quinolinoxy)malonate, diallyl (5-chloro-8-quinolinoxy)malonate, methyl ethyl (5-chloro-8-quinolinoxy)malonate and related compounds, as described in EP-A-0 582 198.

S3) Active compounds of the dichloroacetamide type (S3), which are frequently used as pre-emergence safeners (soil-acting safeners), for example

"dichlormid" (N,N-diallyl-2,2-dichloroacetamide) (S3-1),

"R-29148" (3-dichloroacetyl-2,2,5-trimethyl-1,3-oxazolidine) from Stauffer (S3-2),

"R-28725" (3-dichloroacetyl-2,2-dimethyl-1,3-oxazolidine) from Stauffer (S3-3),

"benoxacor" (4-dichloroacetyl-3,4-dihydro-3-methyl-2H-1,4-benzoxazine) (S3-4),

"PPG-1292" (N-allyl-N-[(1,3-dioxolan-2-yl)methyl]dichloroacetamide) from PPG Industries (S3-5), "DKA-24" (N-allyl-N-[(allylaminocarbonyl)methyl]dichloroacetamide) from Sagro-Chem (S3-6),

"AD-67" or "MON 4660" (3-dichloroacetyl-1-oxa-3-azaspiro[4.5]decane) from Nitrokemia or Monsanto (S3-7),

"TI-35" (1-dichloroacetylazepane) from TRI-Chemical RT (S3-8),

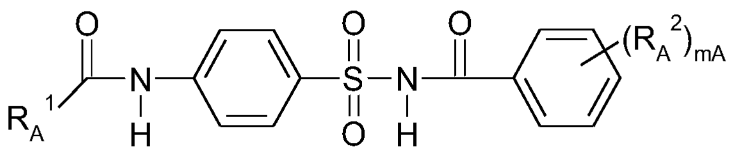
"diclonon" (dicyclonon) or "BAS145138" or "LAB145138" (S3-9)

((RS)-1-dichloroacetyl-3,3,8a-trimethylperhydropyrrolo[1,2-a]pyrimidin-6-one) from BASF,

"furilazole" or "MON 13900" ((RS)-3-dichloroacetyl-5-(2-furyl)-2,2-dimethyloxazolidine) (S3-10), and the (R) isomer thereof (S3-11).

S4) Compounds from the class of the acylsulfonamides (S4):

S4ᵃ) N-Acylsulfonamides of the formula ($S4^a$) and salts thereof, as described in WO-A-97/45016,



($S4^a$)

in which

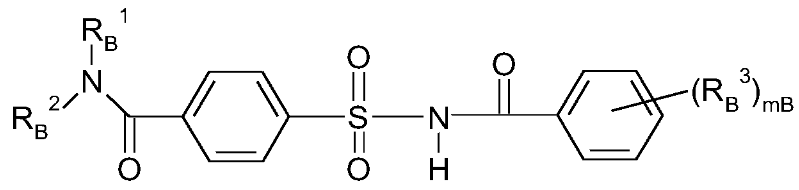
R_A^1 represents (C_1-C_6)-alkyl, (C_3-C_6)-cycloalkyl, where the 2 latter radicals are substituted by v_A substituents from the group of halogen, (C_1-C_4)-alkoxy, (C_1-C_6)-haloalkoxy and (C_1-C_4)-alkylthio and, in the case of cyclic radicals, also by (C_1-C_4)-alkyl and (C_1-C_4)-haloalkyl;

R_A^2 represents halogen, (C_1-C_4)-alkyl, (C_1-C_4)-alkoxy, CF_3;

m_A represents 1 or 2;

v_A represents 0, 1, 2 or 3;

$S4^b$) Compounds of the 4-(benzoylsulfamoyl)benzamide type of the formula ($S4^b$) and salts thereof, as described in WO-A-99/16744,


(S4^b)

in which

R_B^1, R_B^2 independently of one another represent hydrogen, $(C_1\text{-}C_6)$-alkyl, $(C_3\text{-}C_6)$-cycloalkyl, $(C_3\text{-}C_6)$-alkenyl, $(C_3\text{-}C_6)$-alkynyl,

R_B^3 represents halogen, $(C_1\text{-}C_4)$-alkyl, $(C_1\text{-}C_4)$-haloalkyl or $(C_1\text{-}C_4)$-alkoxy and

m_B represents 1 or 2,

e.g. those in which

R_B^1 = cyclopropyl, R_B^2 = hydrogen and (R_B^3) = 2-OMe ("cyprosulfamide", S4-1),

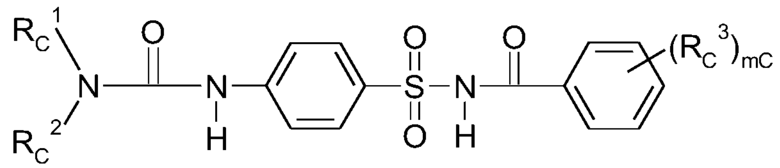
R_B^1 = cyclopropyl, R_B^2 = hydrogen and (R_B^3) = 5-Cl-2-OMe (S4-2),

R_B^1 = ethyl, R_B^2 = hydrogen and (R_B^3) = 2-OMe (S4-3),

R_B^1 = isopropyl, R_B^2 = hydrogen and (R_B^3) = 5-Cl-2-OMe (S4-4) and

R_B^1 = isopropyl, R_B^2 = hydrogen and (R_B^3) = 2-OMe (S4-5);

S4^c) Compounds from the class of the benzoylsulfamoylphenylureas of the formula (S4^c), as described in EP-A-365484,


(S4^c)

in which

R_C^1, R_C^2 independently of one another represent hydrogen, $(C_1\text{-}C_8)$-alkyl, $(C_3\text{-}C_8)$-cycloalkyl, $(C_3\text{-}C_6)$-alkenyl, $(C_3\text{-}C_6)$-alkynyl,

R_C^3 represents halogen, $(C_1\text{-}C_4)$-alkyl, $(C_1\text{-}C_4)$-alkoxy, CF_3 and

m_C represents 1 or 2;

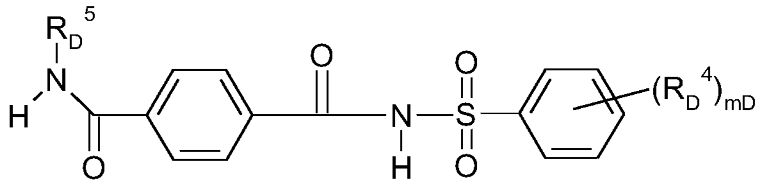
for example

1-[4-(N-2-methoxybenzoylsulfamoyl)phenyl]-3-methylurea,

1-[4-(N-2-methoxybenzoylsulfamoyl)phenyl]-3,3-dimethylurea,

1-[4-(N-4,5-dimethylbenzoylsulfamoyl)phenyl]-3-methylurea;

S4^d) Compounds of the N-phenylsulfonylterephthalamide type of the formula (S4^d) and salts thereof, which are known, for example, from CN 101838227,



in which

R_D^4 represents halogen, $(C_1\text{-}C_4)$-alkyl, $(C_1\text{-}C_4)$-alkoxy, CF_3;

m_D represents 1 or 2;

R_D^5 represents hydrogen, $(C_1\text{-}C_6)$-alkyl, $(C_3\text{-}C_6)$-cycloalkyl, $(C_2\text{-}C_6)$-alkenyl, $(C_2\text{-}C_6)$-alkynyl, $(C_5\text{-}C_6)$-cycloalkenyl.

S5) Active compounds from the class of the hydroxyaromatics and the aromatic-aliphatic carboxylic acid derivatives (S5), for example

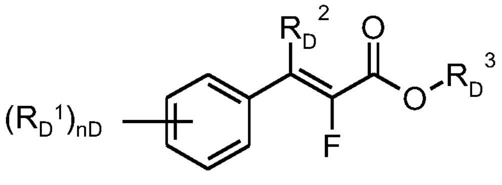
ethyl 3,4,5-triacetoxybenzoate, 3,5-dimethoxy-4-hydroxybenzoic acid, 3,5-dihydroxybenzoic acid, 4-hydroxysalicylic acid, 4-fluorosalicylic acid, 2-hydroxycinnamic acid, 2,4-dichlorocinnamic acid, as described in WO-A-2004/084631, WO-A-2005/015994, WO-A-2005/016001.

S6) Active compounds from the class of the 1,2-dihydroquinoxalin-2-ones (S6), for example

1-methyl-3-(2-thienyl)-1,2-dihydroquinoxalin-2-one, 1-methyl-3-(2-thienyl)-1,2-dihydroquinoxaline-2-thione, 1-(2-aminoethyl)-3-(2-thienyl)-1,2-dihydroquinoxalin-2-one hydrochloride, 1-(2-methylsulfonylaminoethyl)-3-(2-thienyl)-1,2-dihydroquinoxalin-2-one, as described in WO-A-2005/112630.

S7) Compounds from the class of the diphenylmethoxyacetic acid derivatives (S7), e.g. methyl diphenylmethoxyacetate (CAS Reg. No. 41858-19-9) (S7-1), ethyl diphenylmethoxyacetate or diphenylmethoxyacetic acid, as described in WO-A-98/38856.

S8) Compounds of the formula (S8), as described in WO-A-98/27049,



(S8)

in which the symbols and indices are defined as follows:

R_D^1 represents halogen, $(C_1\text{-}C_4)$-alkyl, $(C_1\text{-}C_4)$-haloalkyl, $(C_1\text{-}C_4)$-alkoxy, $(C_1\text{-}C_4)$-haloalkoxy,

R_D^2 represents hydrogen or $(C_1\text{-}C_4)$-alkyl,

R_D^3 represents hydrogen, $(C_1\text{-}C_8)$-alkyl, $(C_2\text{-}C_4)$-alkenyl, $(C_2\text{-}C_4)$-alkynyl or aryl, where each of the aforementioned carbon-containing radicals is unsubstituted or substituted by one or more, preferably up to three, identical or different radicals from the group consisting of halogen and alkoxy; or salts thereof,

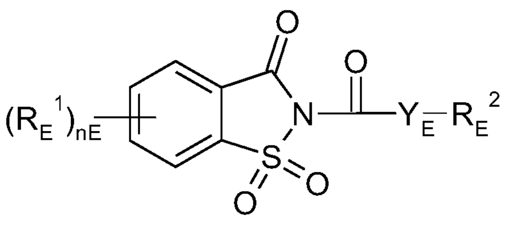
n_D represents an integer from 0 to 2.

S9) Active compounds from the class of the 3-(5-tetrazolylcarbonyl)-2-quinolones (S9), for example

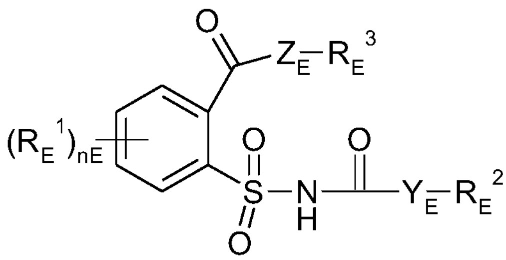
1,2-dihydro-4-hydroxy-1-ethyl-3-(5-tetrazolylcarbonyl)-2-quinolone (CAS Reg. No.: 219479-18-2), 1,2-dihydro-4-hydroxy-1-methyl-3-(5-tetrazolylcarbonyl)-2-quinolone (CAS Reg. No. 95855-00-8), as described in WO-A-1999/000020.

S10) Compounds of the formula $(S10^a)$ or $(S10^b)$

as described in WO-A-2007/023719 and WO-A-2007/023764



$(S10^a)$



$(S10^b)$

in which

R_E^1 represents halogen, $(C_1\text{-}C_4)$-alkyl, methoxy, nitro, cyano, CF_3, OCF_3,

Y_E, Z_E independently of one another represent O or S,

n_E represents an integer from 0 to 4,

R_E^2 represents (C_1-C_{16})-alkyl, (C_2-C_6)-alkenyl, (C_3-C_6)-cycloalkyl, aryl; benzyl, halobenzyl,

R_E^3 represents hydrogen or (C_1-C_6)-alkyl.

S11) Active compounds of the oxyimino compound type (S11), which are known as seed-dressing agents, for example

"oxabetrinil" ((Z)-1,3-dioxolan-2-ylmethoxyimino(phenyl)acetonitrile) (S11-1), which is known as a seed-dressing safener for millet/sorghum against metolachlor damage,

"fluxofenim" (1-(4-chlorophenyl)-2,2,2-trifluoro-1-ethanone O-(1,3-dioxolan-2-ylmethyl)oxime) (S11-2), which is known as a seed-dressing safener for millet/sorghum against metolachlor damage, and

"cyometrinil" or "CGA-43089" ((Z)-cyanomethoxyimino(phenyl)acetonitrile) (S11-3), which is known as a seed-dressing safener for millet/sorghum against metolachlor damage.

S12) Active compounds from the class of the isothiochromanones (S12), for example methyl [(3-oxo-1H-2-benzothiopyran-4(3H)-ylidene)methoxy]acetate (CAS Reg. No. 205121-04-6) (S12-1) and related compounds from WO-A-1998/13361.

S13) One or more compounds from group (S13):

"naphthalic anhydride" (1,8-naphthalenedicarboxylic anhydride) (S13-1), which is known as a seed-dressing safener for corn against thiocarbamate herbicide damage,

"fenclorim" (4,6-dichloro-2-phenylpyrimidine) (S13-2), which is known as a safener for pretilachlor in sown rice,

"flurazole" (benzyl 2-chloro-4-trifluoromethyl-1,3-thiazole-5-carboxylate) (S13-3), which is known as a seed-dressing safener for millet/sorghum against alachlor and metolachlor damage,

"CL 304415" (CAS Reg. No. 31541-57-8)

(4-carboxy-3,4-dihydro-2H-1-benzopyran-4-acetic acid) (S13-4) from American Cyanamid, which is known as a safener for corn against damage by imidazolinones,

"MG 191" (CAS Reg. No. 96420-72-3) (2-dichloromethyl-2-methyl-1,3-dioxolane) (S13-5) from Nitrokemia, which is known as a safener for corn,

"MG 838" (CAS Reg. No. 133993-74-5)

(2-propenyl 1-oxa-4-azaspiro[4.5]decane-4-carbodithioate) (S13-6) from Nitrokemia "disulfoton" (O,O-diethyl S-2-ethylthioethyl phosphorodithioate) (S13-7),

"dietholate" (O,O-diethyl O-phenyl phosphorothioate) (S13-8),

"mephenate" (4-chlorophenyl methylcarbamate) (S13-9).

S14) Active compounds which, in addition to herbicidal action against harmful plants, also have safener action on crop plants such as rice, for example

"dimepiperate" or "MY-93" (*S*-1-methyl 1-phenylethylpiperidine-1-carbothioate), which is known as a safener for rice against damage by the herbicide molinate,

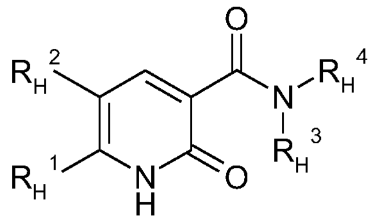
"daimuron" or "SK 23" (1-(1-methyl-1-phenylethyl)-3-p-tolylurea), which is known as a safener for rice against imazosulfuron herbicide damage,

"cumyluron" = "JC-940" (3-(2-chlorophenylmethyl)-1-(1-methyl-1-phenylethyl)urea, see JP-A-60087254), which is known as a safener for rice against damage by some herbicides,

"methoxyphenone" or "NK 049" (3,3'-dimethyl-4-methoxybenzophenone), which is known as a safener for rice against damage by some herbicides,

"CSB" (1-bromo-4-(chloromethylsulfonyl)benzene) from Kumiai, (CAS Reg. No. 54091-06-4), which is known as a safener against damage by some herbicides in rice.

S15) Compounds of the formula (S15) or tautomers thereof



(S15)

as described in WO-A-2008/131861 and WO-A-2008/131860

in which

R_H^1 represents a (C_1-C_6)-haloalkyl radical and

R_H^2 represents hydrogen or halogen and

R_H^3, R_H^4 independently of one another represent hydrogen, (C_1-C_{16})-alkyl, (C_2-C_{16})-alkenyl or (C_2-C_{16})-alkynyl, where each of the 3 last-mentioned radicals is unsubstituted or substituted by one or more radicals from the group of halogen, hydroxyl, cyano, (C_1-C_4)-alkoxy, (C_1-C_4)-haloalkoxy, (C_1-C_4)-alkylthio, (C_1-C_4)-alkylamino, di[(C_1-C_4)-alkyl]amino, [(C_1-C_4)-alkoxy]carbonyl, [(C_1-C_4)-haloalkoxy]carbonyl, (C_3-C_6)-cycloalkyl which is unsubstituted or substituted, phenyl which is unsubstituted or substituted, and heterocyclyl which is unsubstituted or substituted,

or (C_3-C_6)-cycloalkyl, (C_4-C_6)-cycloalkenyl, (C_3-C_6)-cycloalkyl fused on one side of the ring to a 4 to 6-membered saturated or unsaturated carbocyclic ring, or (C_4-C_6)-cycloalkenyl fused on one side of the ring to a 4 to 6-membered saturated or unsaturated carbocyclic ring,

where each of the 4 latter radicals is unsubstituted or substituted by one or more radicals from the group of halogen, hydroxyl, cyano, (C_1-C_4)-alkyl, (C_1-C_4)-haloalkyl, (C_1-C_4)-alkoxy, (C_1-C_4)-haloalkoxy, (C_1-C_4)-alkylthio, (C_1-C_4)-alkylamino, di[(C_1-C_4)-alkyl]amino, [(C_1-C_4)-alkoxy]carbonyl, [(C_1-C_4)-haloalkoxy]carbonyl, (C_3-C_6)-cycloalkyl which is unsubstituted or substituted, phenyl which is unsubstituted or substituted, and heterocyclyl which is unsubstituted or substituted,

or

R_H^3 represents (C_1-C_4)-alkoxy, (C_2-C_4)-alkenyloxy, (C_2-C_6)-alkynyloxy or (C_2-C_4)-haloalkoxy and

R_H^4 represents hydrogen or (C_1-C_4)-alkyl or

R_H^3 and R_H^4 together with the directly attached nitrogen atom represent a four- to eight-membered heterocyclic ring which, as well as the nitrogen atom, may also contain further ring heteroatoms, preferably up to two further ring heteroatoms from the group of N, O and S, and which is unsubstituted or substituted by one or more radicals from the group of halogen, cyano, nitro, (C_1-C_4)-alkyl, (C_1-C_4)-haloalkyl, (C_1-C_4)-alkoxy, (C_1-C_4)-haloalkoxy and (C_1-C_4)-alkylthio.

S16) Active compounds which are used primarily as herbicides but also have safener action on crop plants, for example

(2,4-dichlorophenoxy)acetic acid (2,4-D),

(4-chlorophenoxy)acetic acid,

(R,S)-2-(4-chloro-o-tolyloxy)propionic acid (mecoprop),

4-(2,4-dichlorophenoxy)butyric acid (2,4-DB),

(4-chloro-o-tolyloxy)acetic acid (MCPA), 4-(4-chloro-o-tolyloxy)butyric acid,

4-(4-chlorophenoxy)butyric acid,

3,6-dichloro-2-methoxybenzoic acid (dicamba),

1-(ethoxycarbonyl)ethyl 3,6-dichloro-2-methoxybenzoate (lactidichlor-ethyl).

Preferred safeners in combination with the compounds of the formula (I) according to the invention and/or salts thereof, in particular with the compounds of the formulae (I.1) to (I.150) and/or salts thereof, are: cloquintocet-mexyl, cyprosulfamide, fenchlorazole-ethyl ester, isoxadifen-ethyl, mefenpyr-diethyl, fenclorim, cumyluron, S4-1 and S4-5, and particularly preferred safeners are: cloquintocet-mexyl, cyprosulfamide, isoxadifen-ethyl and mefenpyr-diethyl.

Biological examples:

Part 1

A. Post-emergence herbicidal action and crop plant compatibility

Seeds of monocotyledonous and dicotyledonous weeds and crop plants were placed in sandy loam in plastic or wood-fiber pots, covered with soil and cultivated in a greenhouse under controlled growth conditions. 2 to 3 weeks after sowing, the test plants were treated at the one-leaf stage. The compounds of the invention, formulated in the form of wettable powders (WP) or as emulsion concentrates (EC), were then sprayed onto the green parts of the plants as aqueous suspension or emulsion with addition of 0.5% additive at a water application rate of 600 l/ha (converted). After the test plants had been kept in the greenhouse under optimum growth conditions for about 3 weeks, the activity of the preparations was rated visually in comparison to untreated controls. For example, 100% activity = the plants have died, 0% activity = like control plants.

Tables A1 to A14 below show the effects of selected compounds of the general formula (I) according to Tables I.1 to I.150 on various harmful plants and at an application rate corresponding to 320 g/ha, which were obtained by the experimental procedure mentioned above.

Table A1

Compound Example No.	Alopecurus myosuroides (efficacy in %)	Application rate [g/ha]
I.2-162	80	320
I.7-162	90	320
I.20-162	80	320

Table A2

Compound Example No.	Echinochloa crus-galli (efficacy in %)	Application rate [g/ha]
I.2-162	80	320
I.20-162	80	320

Table A3

Compound Example No.	Setaria viridis (efficacy in %)	Application rate [g/ha]
I.1-451	80	320
I.1-506	100	320
I.1-623	100	320
I.2-162	100	320
I.3-162	90	320
I.4-162	100	320
I.6-162	100	320
I.7-162	100	320
I.20-162	100	320
I.42-162_a	80	320
I.122-162	80	320
I.141-162	100	320

Table A4

Compound Example No.	Abutilon theophrasti (efficacy in %)	Application rate [g/ha]
I.1-358	100	320
I.1-622	90	320
I.1-623	100	320
I.2-162	100	320
I.3-162	100	320
I.4-162	100	320
I.6-162	100	320
I.7-162	100	320
I.20-162	100	320
I.42-162_a	100	320
I.121-162	80	320
I.123-162	100	320
I.122-162	100	320
I.141-162	100	320

Table A5

Compound Example No.	Amaranthus retroflexus (efficacy in %)	Application rate [g/ha]
I.1-354	100	320
I.1-358	100	320
I.1-451	100	320
I.1-464	100	320
I.1-506	100	320
I.1-619	100	320
I.1-622	80	320
I.1-623	100	320
I.1-625	100	320
I.2-162	100	320
I.3-162	100	320
I.4-162	100	320

Compound Example No.	Amaranthus retroflexus (efficacy in %)	Application rate [g/ha]
I.6-162	80	320
I.7-162	100	320
I.20-162	100	320
I.42-162_a	100	320
I.121-162	100	320
I.122-162	90	320
I.123-162	100	320
I.141-162	90	320

Table A6

Compound Example No.	Matricaria inodora (efficacy in %)	Application rate [g/ha]
I.1-358	90	320
I.1-623	80	320
I.3-162	100	320
I.4-162	100	320
I.6-162	100	320
I.7-162	100	320
I.20-162	90	320
I.42-162_a	100	320
I.122-162	90	320
I.123-162	80	320
I.141-162	80	320

Table A7

Compound Example No.	Polygonum convolvulus (efficacy in %)	Application rate [g/ha]
I.1-358	100	320
I.1-625	100	320

Compound Example No.	Polygonum convolvulus (efficacy in %)	Application rate [g/ha]
I.2-162	100	320
I.3-162	100	320
I.4-162	100	320
I.6-162	100	320
I.7-162	90	320
I.20-162	100	320
I.122-162	90	320
I.123-162	100	320

Table A8

Compound Example No.	Stellaria media (efficacy in %)	Application rate [g/ha]
I.1-358	100	320
I.1-451	100	320
I.1-464	90	320
I.1-619	100	320
I.1-622	90	320
I.2-162	100	320
I.3-162	100	320
I.4-162	100	320
I.6-162	100	320
I.7-162	100	320
I.20-162	100	320
I.42-162_a	100	320
I.122-162	80	320
I.123-162	100	320
I.141-162	100	320

Table A9

Compound Example No.	Viola tricolor (efficacy in %)	Application rate [g/ha]
I.1-354	100	320
I.1-358	100	320
I.1-451	100	320
I.1-464	100	320
I.1-623	100	320
I.2-162	100	320
I.3-162	100	320
I.4-162	90	320
I.6-162	100	320
I.7-162	100	320
I.20-162	100	320
I.42-162_a	100	320
I.123-162	100	320

Table A10

Compound Example No.	Veronica persica (efficacy in %)	Application rate [g/ha]
I.1-354	100	320
I.1-623	100	320
I.3-162	90	320
I.4-162	100	320
I.7-162	90	320
I.20-162	90	320

Table A11

Compound Example No.	Pharbitis purpurea (efficacy in %)	Application rate [g/ha]
I.1-354	100	320
I.2-162	100	320

Compound Example No.	Pharbitis purpurea (efficacy in %)	Application rate [g/ha]
I.3-162	100	320
I.4-162	100	320
I.6-162	90	320
I.7-162	100	320
I.20-162	100	320
I.42-162	100	320
I.121-162	80	320
I.122-162	80	320

Table A12

Compound Example No.	Digitaria sanguinalis (efficacy in %)	Application rate [g/ha]
I.1-622	100	320
I.1-623	80	320
I.4-162	80	320
I.7-162	80	320
I.141-162	100	320
I.42-162	100	320
I.123-162	100	320

Table A13

Compound Example No.	Lolium rigidum (efficacy in %)	Application rate [g/ha]
I.3-162	80	320

Table A14

Compound Example No.	Hordeum murinum (efficacy in %)	Application rate [g/ha]
I.3-162	90	320
I.6-162	90	320
I.7-162	80	320
I.42-162	90	320

As the results show, inventive compounds of the general formula (I) in post-emergence treatment show good herbicidal action against harmful plants, for example *Abutilon theophrasti*, *Alopecurus myosuroides*, *Amaranthus retroflexus*, *Digitaria sanguinalis, Echinochloa crus-galli*, *Hordeum murinum, Lolium rigidum*, *Matricaria inodora*, *Pharbitis purpurea*, *Polygonum convolvulus, Setaria viridis, Stellaria media, Veronica persica* and *Viola tricolor* at an application rate of 320 g of active substance per hectare.

B. Pre-emergence herbicidal action and crop plant compatibility

Seeds of monocotyledonous and dicotyledonous weed plants and crop plants were placed in plastic or organic planting pots and covered with soil. The compounds of the invention, formulated in the form of wettable powders (WP) or as emulsion concentrates (EC), were then applied to the surface of the covering soil as aqueous suspension or emulsion with addition of 0.5% additive at a water application rate equivalent to 600 l/ha. After the treatment, the pots were placed in a greenhouse and kept under good growth conditions for the test plants. After about 3 weeks, the effect of the preparations is scored visually in comparison with untreated controls as percentages. For example, 100% activity = the plants have died, 0% activity = like control plants.

Tables B1 to B14 below show the effects of selected compounds of the general formula (I) according to Tables I.1 to I.150 on various harmful plants and at an application rate corresponding to 320 g/ha, which were obtained by the experimental procedure mentioned above.

Table B1

Compound Example No.	Alopecurus myosuroides (efficacy in %)	Application rate [g/ha]
I.1-162	90	320

Compound Example No.	Alopecurus myosuroides (efficacy in %)	Application rate [g/ha]
I.1-199	90	320
I.1-206	80	320
I.1-358	90	320
I.1-449	100	320
I.1-464	80	320
I.1-506	90	320
I.1-623	90	320
I.1-709	100	320
I.2-162	90	320
I.2-709	90	320
I.3-162	80	320
I.4-162	90	320
I.6-162	90	320
I.7-162	90	320
I.20-162	90	320
I.41-449	90	320
I.42-162	90	320
I.91-162	80	320
I.122-162	90	320

Table B2

Compound Example No.	Avena fatua (efficacy in %)	Application rate [g/ha]
I.1-162	90	320
I.1-206	80	320
I.1-207	90	320
I.1-358	80	320
I.1-464	80	320
I.1-503	100	320

Compound Example No.	Avena fatua (efficacy in %)	Application rate [g/ha]
I.1-506	80	320
I.1-622	100	320
I.3-162	100	320
I.4-162	90	320
I.6-162	90	320
I.7-162	100	320
I.20-162	100	320
I.42-162	80	320
I.122-162	80	320
I.141-162	80	320

Table B3

Compound Example No.	Abutilon theophrasti (efficacy in %)	Application rate [g/ha]
I.1-162	100	320
I.1-199	100	320
I.1-206	90	320
I.1-275	100	320
I.1-354	100	320
I.1-358	100	320
I.1-464	100	320
I.1-506	80	320
I.1-622	100	320
I.1-623	100	320
I.2-162	100	320
I.2-709	80	320
I.3-162	100	320
I.4-162	100	320
I.6-162	100	320
I.7-162	100	320

Compound Example No.	Abutilon theophrasti (efficacy in %)	Application rate [g/ha]
I.20-162	100	320
I.42-162	100	320
I.122-162	100	320
I.141-162	90	320

Table B4

Compound Example No.	Amaranthus retroflexus (efficacy in %)	Application rate [g/ha]
I.1-162	100	320
I.1-177	90	320
I.1-199	100	320
I.1-206	90	320
I.1-207	90	320
I.1-354	100	320
I.1-358	100	320
I.1-449	100	320
I.1-451	90	320
I.1-464	100	320
I.1-506	90	320
I.1-622	80	320
I.1-623	100	320
I.2-162	100	320
I.3-162	100	320
I.3-464	90	320
I.4-162	100	320
I.6-162	100	320
I.7-162	100	320
I.20-162	100	320
I.41-449	100	320
I.42-162	100	320

Compound Example No.	Amaranthus retroflexus (efficacy in %)	Application rate [g/ha]
I.91-162	90	320
I.122-162	90	320
I.141-162	100	320

Table B5

Compound Example No.	Matricaria inodora (efficacy in %)	Application rate [g/ha]
I.1-162	100	320
I.1-199	100	320
I.1-200	90	320
I.1-206	100	320
I.1-275	100	320
I.1-348	90	320
I.1-354	100	320
I.1-358	90	320
I.1-449	80	320
I.1-451	100	320
I.1-464	100	320
I.1-503	100	320
I.1-506	100	320
I.1-621	100	320
I.1-622	100	320
I.1-623	100	320
I.1-626	80	320
I.2-162	100	320
I.2-709	100	320
I.3-162	100	320
I.4-162	100	320
I.6-162	100	320
I.7-162	100	320

Compound Example No.	Matricaria inodora (efficacy in %)	Application rate [g/ha]
I.20-162	100	320
I.41-449	100	320
I.42-162	100	320
I.122-162	100	320

Table B6

Compound Example No.	Polygonum convolvulus (efficacy in %)	Application rate [g/ha]
I.1-162	90	320
I.1-177	100	320
I.1-199	90	320
I.1-206	90	320
I.1-207	100	320
I.1-354	100	320
I.1-357	100	320
I.1-358	90	320
I.1-449	100	320
I.1-451	90	320
I.1-464	100	320
I.1-506	100	320
I.1-622	100	320
I.1-623	90	320
I.1-709	100	320
I.2-162	100	320
I.2-709	100	320
I.3-162	100	320
I.3-464	90	320
I.4-162	90	320
I.6-162	90	320
I.7-162	90	320

Compound Example No.	Polygonum convolvulus (efficacy in %)	Application rate [g/ha]
I.20-162	90	320
I.41-162	100	320
I.42-162	90	320
I.91-162	100	320
I.122-162	100	320
I.141-162	90	320

Table B7

Compound Example No.	Stellaria media (efficacy in %)	Application rate [g/ha]
I.1-162	90	320
I.1-199	100	320
I.1-200	80	320
I.1-206	100	320
I.1-207	100	320
I.1-275	100	320
I.1-348	100	320
I.1-354	100	320
I.1-357	100	320
I.1-358	100	320
I.1-449	100	320
I.1-451	100	320
I.1-464	100	320
I.1-506	100	320
I.1-622	100	320
I.1-623	100	320
I.1-626	90	320
I.1-709	100	320
I.2-162	100	320
I.2-709	100	320

Compound Example No.	Stellaria media (efficacy in %)	Application rate [g/ha]
I.3-162	90	320
I.3-464	100	320
I.4-162	100	320
I.6-162	100	320
I.7-162	100	320
I.20-162	90	320
I.41-449	100	320
I.42-162	100	320
I.122-162	100	320
I.141-162	100	320

Table B8

Compound Example No.	Viola tricolor (efficacy in %)	Application rate [g/ha]
I.1-162	90	320
I.1-177	90	320
I.1-199	100	320
I.1-200	80	320
I.1-206	100	320
I.1-207	100	320
I.1-275	100	320
I.1-348	100	320
I.1-354	100	320
I.1-357	100	320
I.1-358	80	320
I.1-449	100	320
I.1-451	100	320
I.1-464	100	320
I.1-503	100	320
I.1-506	100	320

Compound Example No.	Viola tricolor (efficacy in %)	Application rate [g/ha]
I.1-623	100	320
I.1-626	100	320
I.2-162	100	320
I.2-709	100	320
I.3-162	100	320
I.3-464	100	320
I.4-162	100	320
I.6-162	100	320
I.7-162	100	320
I.20-162	90	320
I.41-449	100	320
I.42-162	90	320
I.122-162	100	320
I.141-162	90	320

Table B9

Compound Example No.	Digitaria sanguinalis (efficacy in %)	Application rate [g/ha]
I.1-177	100	320
I.1-206	100	320
I.1-207	100	320
I.1-348	80	320
I.1-354	100	320
I.1-357	100	320
I.1-358	80	320
I.1-449	100	320
I.1-451	90	320
I.1-464	100	320
I.1-506	100	320
I.1-622	100	320

Compound Example No.	Digitaria sanguinalis (efficacy in %)	Application rate [g/ha]
I.1-623	90	320
I.1-709	100	320
I.2-709	90	320
I.41-162	100	320
I.42-162	80	320
I.91-162	100	320
I.122-162	100	320

Table B10

Compound Example No.	Echinochloa crus-galli (efficacy in %)	Application rate [g/ha]
I.1-162	80	320
I.3-162	80	320
I.4-162	90	320
I.6-162	100	320
I.7-162	80	320
I.42-162	80	320

Table B11

Compound Example No.	Setaria viridis (efficacy in %)	Application rate [g/ha]
I.1-162	90	320
I.1-177	90	320
I.1-206	90	320
I.1-207	100	320
I.1-354	80	320
I.1-358	80	320
I.1-451	90	320

Compound Example No.	Setaria viridis (efficacy in %)	Application rate [g/ha]
I.1-464	100	320
I.1-506	100	320
I.1-621	100	320
I.2-162	90	320
I.3-162	100	320
I.3-464	90	320
I.4-162	100	320
I.6-162	100	320
I.7-162	100	320
I.42-162	100	320
I.122-162	100	320

Table B12

Compound Example No.	Pharbitis purpurea (efficacy in %)	Application rate [g/ha]
I.1-162	80	320
I.1-200	100	320
I.1-206	80	320
I.1-207	100	320
I.1-354	90	320
I.1-354	80	320
I.1-358	90	320
I.1-449	100	320
I.1-464	100	320
I.1-506	100	320
I.6-162	90	320
I.7-162	100	320
I.3-162	100	320
I.2-162	100	320
I.2-709	100	320

Compound Example No.	Pharbitis purpurea (efficacy in %)	Application rate [g/ha]
I.122-162	100	320

Table B13

Compound Example No.	Veronica persica (efficacy in %)	Application rate [g/ha]
I.1-275	100	320
I.1-449	80	320
I.1-464	100	320
I.1-506	80	320
I.2-162	90	320
I.2-709	100	320
I.3-162	100	320
I.4-162	100	320
I.6-162	100	320
I.7-162	80	320

Table B14

Compound Example No.	Hordeum murinum (efficacy in %)	Application rate [g/ha]
I.1-162	90	320
I.1-199	80	320
I.1-206	80	320
I.2-162	80	320
I.3-162	90	320
I.4-162	90	320
I.6-162	90	320
I.7-162	90	320
I.42-162	90	320
I.122-162	100	320

As the results show, inventive compounds of the general formula (I) in post-emergence treatment show good herbicidal action against harmful plants, for example against harmful plants such as *Abutilon theophrasti, Alopecurus myosuroides, Avena fatua, Amaranthus retroflexus*, *Digitaria sanguinalis, Echinochloa crus-galli*, *Hordeum murinum, Matricaria inodora*, *Polygonum convolvulus, Pharbitis purpurea*, *Setaria viridis, Stellaria media, Veronica persica* and *Viola tricolor*, at an application rate of 320 g of active substance per hectare.

Part 2

C. Herbicidal post-emergence action

Seeds of mono- and dicotyledonous weed plants were placed in plastic pots in sandy loam soil (doubly sown with in each case one species of mono- or dicotyledonous weed plants per pot), covered with soil and cultivated in a greenhouse under controlled growth conditions. 2 to 3 weeks after sowing, the test plants were treated at the one-leaf stage. The compounds of the invention, formulated in the form of wettable powders (WP) or as emulsion concentrates (EC), were applied onto the green parts of the plants as aqueous suspension or emulsion with addition of 0.5% additive at a water application rate of 600 liters per hectare (converted). After the test plants had been kept in the greenhouse under optimum growth conditions for about 3 weeks, the activity of the preparations was rated visually in comparison to untreated controls. For example, 100% activity = the plants have died, 0% activity = like control plants.

Tables C1 to C7 below show the effects of selected compounds of the general formula (I) according to Tables I.1 to I.150 on various harmful plants and at an application rate corresponding to 1280 g/ha, which were obtained by the experimental procedure mentioned above.

Table C1

Compound Example No.	Echinochloa crus-galli	Application rate [g/ha]
I.41-162	100	1280
I.1-315	100	1280
I.5-162	100	1280
I.42-162	100	1280
I.126-162	90	1280
I.7-290	100	1280

Table C2

Compound Example No.	Poa Annua	Application rate [g/ha]
I.41-162	100	1280
I.1-315	100	1280
I.5-162	100	1280
I.126-162	100	1280
I.2-290	90	1280
I.1-546	100	1280
I.62-162	100	1280
I.61-162	90	1280
I.82-162	90	1280
I.66-162	90	1280

Table C3

Compound Example No.	Setaria viridis	Application rate [g/ha]
I.41-162	100	1280
I.1-315	100	1280
I.5-162	100	1280

Table C4

Compound Example No.	Abutilon theophrasti	Application rate [g/ha]
I.41-162	100	1280
I.1-315	100	1280
I.5-162	100	1280
I.126-162	100	1280
I.1-546	100	1280
I.5-290	100	1280
I.62-162	100	1280

Compound Example No.	Abutilon theophrasti	Application rate [g/ha]
I.7-290	100	1280

Table C5

Compound Example No.	Amaranthus retroflexus	Application rate [g/ha]
I.41-162	100	1280
I.1-315	100	1280
I.5-162	100	1280
I.42-162	100	1280
I.126-162	100	1280
I.2-290	100	1280
I.1-546	100	1280
I.5-290	100	1280
I.62-162	100	1280
I.7-290	100	1280
I.3-290	100	1280
I.63-162	100	1280
I.2-451	100	1280
I.3-451	100	1280
I.4-451	100	1280
I.7-449	100	1280
I.61-162	100	1280
I.82-162	100	1280
I.66-162	100	1280
I.2-449	100	1280
I.4-449	100	1280

Table C6

Compound Example No.	Matricaria inodora	Application rate [g/ha]
I.41-162	100	1280
I.1-315	90	1280
I.5-162	100	1280
I.42-162	100	1280
I.126-162	100	1280
I.2-290	90	1280
I.1-546	100	1280
I.5-290	100	1280
I.62-162	100	1280
I.3-290	90	1280
I.63-162	100	1280
I.7-449	90	1280

Table C7

Compound Example No.	Stellaria media	Application rate [g/ha]
I.41-162	100	1280
I.1-315	100	1280
I.5-162	100	1280
I.42-162	100	1280
I.126-162	100	1280
I.2-290	100	1280
I.5-290	100	1280
I.3-290	100	1280
I.63-162	100	1280
I.2-451	100	1280
I.3-451	100	1280
I.4-451	100	1280

Compound Example No.	Stellaria media	Application rate [g/ha]
I.2-449	100	1280
I.4-449	90	1280
I.44-449	90	1280

As the results show, compounds of the general formula (I) according to the invention, in post-emergence treatment, have good herbicidal activity against harmful plants. For example, compounds of the general formula (I), applied post-emergence, have very good herbicidal action (80% to 100% herbicidal action) against harmful plants such as *Abutilon theophrasti*, *Amaranthus retroflexus*, *Echinochloa crus-galli*, *Matricaria inodora*, *Poa annua, Setaria viridis* and *Stellaria media* at an application rate of 1280 g of active substance per hectare.

D. Herbicidal pre-emergence action

Seeds of mono- and dicotyledonous weed plants were placed in plastic pots in sandy loam soil (doubly sown with in each case one species of mono- or dicotyledonous weed plants per pot) and covered with soil. The compounds of the invention, formulated in the form of wettable powders (WP) or as emulsion concentrates (EC), were then applied onto the surface of the covering soil as aqueous suspension or emulsion with addition of 0.5% additive at a water application rate of 600 liters per hectare (converted). After the treatment, the pots were placed in a greenhouse and kept under good growth conditions for the test plants. After about 3 weeks, the effect of the preparations was scored visually in comparison with untreated controls as percentages. For example, 100% activity = the plants have died, 0% activity = like control plants.

Tables D1 to D8 below show the effects of selected compounds of the general formula (I) according to Tables I.1 to I.150 on various harmful plants and at an application rate corresponding to 1280 g/ha, which were obtained by the experimental procedure mentioned above.

Table D1

Compound Example No.	Echinochloa crus-galli	Application rate [g/ha]
I.123-162	100	1280
I.41-162	100	1280

I.126-162	100	1280
I.5-162	100	1280
I.121-162	100	1280
I.2-290	90	1280
I.42-162	100	1280
I.5-290	90	1280
I.62-162	90	1280
I.3-451	100	1280
I.66-162	90	1280
I.44-449	100	1280
I.1-290	90	1280

Table D2

Compound Example No.	Lolium rigidum	Application rate [g/ha]
I.123-162	100	1280
I.41-162	100	1280
I.126-162	100	1280
I.5-162	90	1280
I.121-162	90	1280
I.2-449	90	1280

Table D3

Compound Example No.	Poa Annua	Application rate [g/ha]
I.123-162	100	1280
I.41-162	100	1280
I.126-162	100	1280
I.5-162	100	1280
I.121-162	100	1280
I.2-290	100	1280

Compound Example No.	Poa Annua	Application rate [g/ha]
I.42-162	100	1280
I.5-290	90	1280
I.62-162	100	1280
I.1-315	90	1280
I.3-451	90	1280
I.63-162	100	1280
I.66-162	100	1280
I.1-546	100	1280
I.2-449	100	1280
I.4-290	90	1280
I.7-290	90	1280
I.82-162	100	1280
I.3-290	100	1280
I.61-162	100	1280
I.4-449	90	1280
I.7-449	90	1280

Table D4

Compound Example No.	Setaria viridis	Application rate [g/ha]
I.123-162	100	1280
I.41-162	100	1280
I.126-162	100	1280
I.5-162	100	1280
I.121-162	100	1280
I.2-290	90	1280
I.5-290	90	1280
I.62-162	100	1280
I.1-315	100	1280

Compound Example No.	Setaria viridis	Application rate [g/ha]
I.3-451	90	1280
I.63-162	100	1280
I.66-162	90	1280
I.1-546	100	1280
I.82-162	90	1280
I.61-162	90	1280

Table D5

Compound Example No.	Abutilon theophrasti	Application rate [g/ha]
I.123-162	100	1280
I.41-162	100	1280
I.126-162	100	1280
I.5-162	100	1280
I.121-162	100	1280
I.2-290	100	1280
I.5-290	100	1280
I.62-162	100	1280
I.1-315	100	1280
I.63-162	100	1280
I.66-162	100	1280
I.1-546	100	1280
I.4-290	100	1280
I.7-290	100	1280
I.3-290	100	1280
I.61-162	100	1280

Table D6

Compound Example No.	Amaranthus retroflexus	Application rate [g/ha]
I.123-162	100	1280
I.41-162	100	1280
I.126-162	100	1280
I.5-162	100	1280
I.121-162	100	1280
I.2-290	100	1280
I.42-162	100	1280
I.5-290	100	1280
I.62-162	100	1280
I.1-315	100	1280
I.3-451	100	1280
I.63-162	100	1280
I.66-162	90	1280
I.1-546	100	1280
I.2-449	100	1280
I.4-290	100	1280
I.7-290	100	1280
I.82-162	100	1280
I.3-290	100	1280
I.4-449	100	1280
I.44-449	100	1280
I.7-449	100	1280
I.2-451	100	1280
I.4-451	100	1280

Table D7

Compound Example No.	Matricaria inodora	Application rate [g/ha]
I.123-162	100	1280
I.41-162	100	1280
I.126-162	100	1280
I.5-162	100	1280
I.121-162	100	1280
I.2-290	100	1280
I.42-162	100	1280
I.5-290	90	1280
I.62-162	100	1280
I.1-315	100	1280
I.3-451	90	1280
I.63-162	90	1280
I.66-162	100	1280
I.1-546	90	1280
I.2-449	100	1280
I.4-290	90	1280
I.7-290	100	1280
I.82-162	100	1280
I.3-290	100	1280
I.61-162	90	1280
I.4-449	100	1280
I.44-449	90	1280
I.7-449	100	1280
I.2-451	90	1280

Table D8

Compound Example No.	Stellaria media	Application rate [g/ha]
I.123-162	100	1280
I.41-162	100	1280
I.126-162	100	1280
I.5-162	100	1280
I.121-162	100	1280
I.2-290	100	1280
I.42-162	100	1280
I.5-290	100	1280
I.62-162	100	1280
I.1-315	100	1280
I.3-451	100	1280
I.63-162	100	1280
I.1-546	100	1280
I.2-449	100	1280
I.4-290	100	1280
I.7-290	100	1280
I.82-162	90	1280
I.3-290	100	1280
I.4-449	100	1280
I.44-449	100	1280
I.7-449	100	1280
I.2-451	100	1280
I.4-451	100	1280

As the results show, compounds of the general formula (I) according to the invention, in pre-emergence treatment, have good herbicidal activity against harmful plants. For example, compounds of the general formula (I), applied pre-emergence, have very good action (80% to 100% herbicidal action) against harmful plants such as *Abutilon theophrasti*, *Amaranthus retroflexus*, *Echinochloa crus-galli*, *Lolium rigidum*, *Matricaria inodora*, *Poa annua, Setaria viridis* and *Stellaria media* at an application rate of 1280 g of active substance per hectare.

Part 3

E. Measurement of PS II activity in thylakoid membranes

Cooled fresh spinach leaves were comminuted and homogenized in 50 mM phosphate buffer, pH 6.8. 10 mM KCl, 0.34 M sucrose (sucrose buffer) (blender, 1 g of plant material/ml). The homogenate was subsequently filtered through 4 layers of Miracloth and the chloroplasts were isolated by centrifugation, i.e. 10 min of centrifugation at 4400 x g (4°C). The sediment was suspended in 25 ml of sucrose buffer and re-centrifuged for 10 min at 4400 x g (4°C). The sediment was then suspended in 40 ml of 50 mM phosphate buffer, pH 6.8, 10 mM KCl, without sucrose. In this step, the chloroplasts were osmotically ruptured and the thylakoid membranes were then obtained by centrifugation (10 min, 4400 x g, 4°C). The membrane sediment was finally suspended in about 20 ml of 50 mM phosphate buffer, pH 6.8, 10 mM KCl. Following protein determination and activity determination, the membrane suspension was divided into aliquots and frozen in liquid nitrogen. The aliquots were stored at -80°C. Under these conditions, the photosystem II preparation was storage stable for at least three months. The activity determination of photosystem II (PS II) was then carried out using the following test principle:
The electron transfer from PS II to an artificial electron acceptor, 2,6-dichlorophenolindophenol (DCPIP), was measured with exposure to light. The concentration of the blue oxidized form of DCPIP was determined spectrophotometrically at wavelength λ = 595 nm. The enzyme-catalyzed reduction of DCPIP resulted in a colorless leuco form and thus in a decrease of the absorption at 595 nm in the reaction batch, which decrease was measured as a function of time. The activity determination is carried out in microtiter plates (96 cavities) in a reaction volume of 200 µl. Here, 155 µl of dilute membrane suspension were initially charged in 50 mM of phosphate buffer, pH 6.8, 10 mM KCl. Depending on the activity of the PS II preparation, the dilution was adjusted such that the measurement of the decrease in absorption (λ = 595 nm) was linear for at least 10 min. In each case 5 µl solutions of the test compounds of a concentration of 100 µM in DMSO were added to the enzyme suspension; controls contained 5 µl of DMSO; the final concentration of DMSO in the reaction batch was thus 2.5% (v/v); this concentration had no adverse effect on the enzymatic activity. On each microtiter plate, a known PS II inhibitor, for example metribuzin, was used as standard, which allowed the quality of the PS II test to be assessed. The reaction was started by addition of 40 µl DCPIP solution (600 µM in distilled water); the final concentration of DCPIP was 120 µM. Measurement of absorption is carried out over a period of 10 min at 22°C and with exposure to light. Using metribuzin as comparative substance, the results for the efficacy of the compounds of the general formula (I) at 100 µM are stated in the table below using the following classification: ++++ (inhibition $\geq$ 90%), +++ (90% > inhibition $\geq$ 70%), ++ (70% > inhibition $\geq$ 50%), + (50% > inhibition $\geq$ 30%).
Effects of selected compounds of the general formula (I) according to the following table E1:

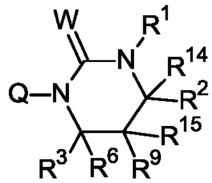
Table E1

No.	Substance	Effect
1	Metribuzin	++++
2	I.1-162	++++
3	I.1-290	++++
4	I.1-449	++
5	I.2-162	+++
6	I.3-162	++
7	I.4-162	++
8	I.41-162	+++
9	I.61-162	+++

Similar results were also achievable with further compounds of the general formula (I), even on application of these compounds to different plant species.

Claims:

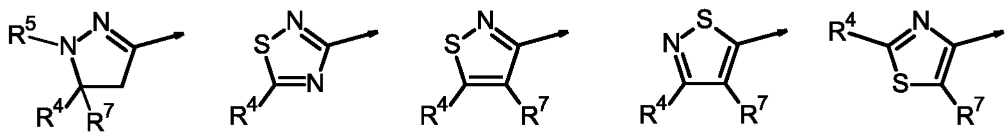
1. A substituted N-heterocyclyl- or N-heteroaryltetrahydropyrimidinone of the general formula (I) of the general formula (I) and/or salts thereof



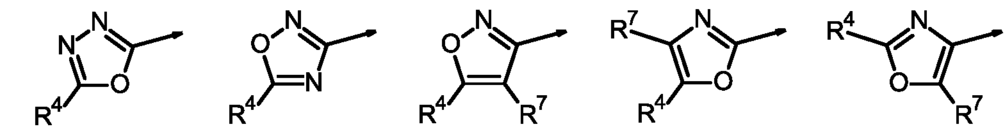
(I)

in which

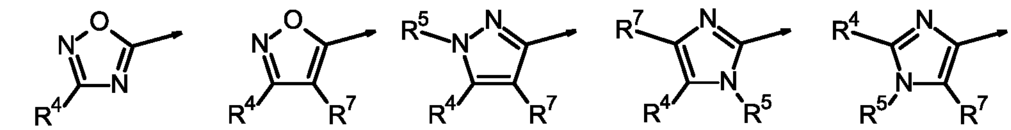
Q represents the groups Q-1 to Q-30



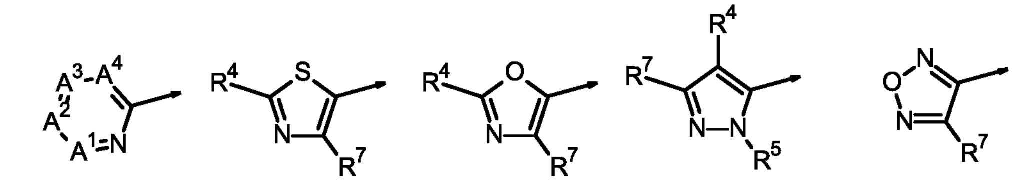
Q-1 Q-2 Q-3 Q-4 Q-5



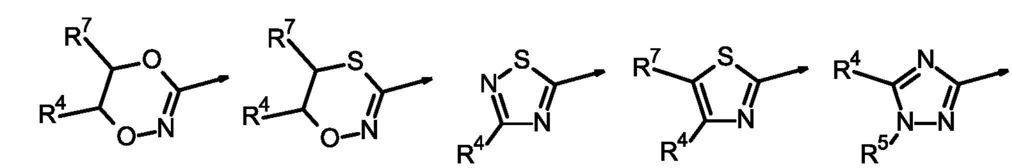
Q-6 Q-7 Q-8 Q-9 Q-10



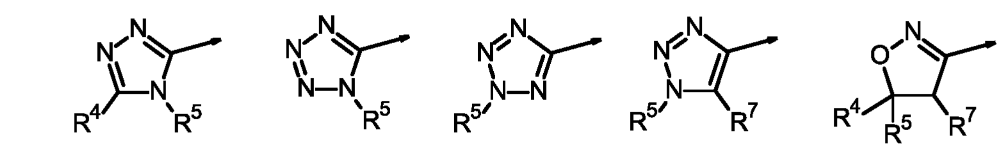
Q-11 Q-12 Q-13 Q-14 Q-15



Q-16 Q-17 Q-18 Q-19 Q-20



Q-21 Q-22 Q-23 Q-24 Q-25



Q-26 Q-27 Q-28 Q-29 Q-30

where the arrow represents a bond of the respective Q group to the nitrogen of the tetrahydropyrimidinone in the general formula (I),

A^1, A^2, A^3, A^4 are identical or different and independently of one another represent N (nitrogen) or the moiety C-R^8, but there are never more than two adjacent nitrogen atoms, and where R^8 in the moiety C-R^8 in each case has identical or different meanings according to the definition below, or

A^1 and A^2, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution, or

A^2 and A^3, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution, or

A^3 and A^4, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution,

R^1 represents hydrogen, hydroxy, (C_1-C_8)-alkyl, (C_1-C_8)-haloalkyl, (C_1-C_8)-hydroxyalkyl, hydroxycarbonyl-(C_1-C_8)-alkylene, (C_1-C_8)-alkoxy, (C_1-C_8)-alkoxy-(C_1-C_8)-alkylene, (C_1-C_8)-alkoxyalkyloxy, (C_1-C_8)-haloalkoxy, (C_3-C_{10})-cycloalkyl, (C_3-C_{10})-halocycloalkyl, aryl, heteroaryl, (C_3-C_{10})-cycloalkyl-(C_1-C_8)-alkylene, heterocyclyl, (C_2-C_8)-alkenyl, (C_2-C_8)-alkenyloxy, (C_2-C_8)-alkynyl, (C_2-C_8)-alkynyloxy, amino, bis[(C_1-C_8)-alkyl]amino, aryl-(C_1-C_8)-alkylene, heteroaryl-(C_1-C_8)-alkylene, heterocyclyl-(C_1-C_8)-alkylene, (C_1-C_8)-cyanoalkyl, C(O)R^{12}, C(O)OR^{12}, C(O)N$R^{10}R^{11}$, SO_2R^{13}, R^{12}O(O)C-(C_1-C_8)-alkylene, arylcarbonyl-(C_1-C_8)-alkylene, (C_1-C_8)-alkylcarbonyl-(C_1-C_8)-alkylene, heteroarylcarbonyl-(C_1-C_8)-alkylene, heterocyclylcarbonyl-(C_1-C_8)-alkylene, (C_1-C_7)-alkylcarbonyloxy-(C_1-C_8)-alkylene,

R^2 and R^9 independently of one another represent hydrogen, hydroxy, halogen, (C_1-C_8)-alkyl, (C_1-C_8)-haloalkyl, (C_3-C_{10})-cycloalkyl, aryl, heteroaryl, heterocyclyl, aryl-(C_1-C_8)-alkyl, heteroaryl-(C_1-C_8)-alkyl, heterocyclyl-(C_1-C_8)-alkyl, (C_2-C_8)-alkenyl, (C_2-C_8)-alkynyl, arylcarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkylcarbonyl-(C_1-C_8)-alkyl, heteroarylcarbonyl-(C_1-C_8)-alkyl, (C_3-C_{10})-cycloalkylcarbonyl-(C_1-C_8)-alkyl, aryl-(C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, arylcarbonyloxy-(C_1-C_8)-alkyl, heteroarylcarbonyloxy-(C_1-C_8)-alkyl, heterocyclylcarbonyloxy-(C_1-C_8)-alkyl, (C_1-C_8)-alkylcarbonyloxy-(C_1-C_8)-alkyl, (C_3-C_8)-cycloalkylcarbonyloxy-(C_1-C_8)-alkyl, (C_1-C_8)-haloalkoxy-(C_1-C_8)-alkyl, aryl-(C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, heteroaryl-(C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, C(O)R^{12}, C(O)OR^{12}, C(O)N$R^{10}R^{11}$, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, N$R^{10}R^{11}$, $R^{10}R^{11}$N-(C_1-C_8)-alkyl, cyano-(C_1-C_8)-alkyl, hydroxycarbonyl-(C_1-C_8)-alkyl, hydroxycarbonyl, aminocarbonyl, aminocarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkylaminocarbonyl-(C_1-C_8)-alkyl, (C_3-C_8)-cycloalkylaminocarbonyl-(C_1-C_8)-alkyl, (C_2-C_8)-alkenyloxycarbonyl-(C_1-C_8)-alkyl, (C_3-C_8)-cycloalkyl-(C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, cyano, hydroxy-(C_1-C_8)-alkyl, or

R^1 and R^2 together with the nitrogen atom or carbon atom to which they are respectively attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, or

R^2 and R^9 together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

R^3 represents hydroxy, hydrothio, halogen, N$R^{10}R^{11}$, (C_1-C_8)-alkoxy, (C_3-C_{10})-cycloalkyl-(C_1-C_8)-alkoxy, aryl-(C_1-C_8)-alkoxy, (C_1-C_8)-alkoxy-(C_1-C_8)-alkoxy, arylcarbonyloxy, (C_1-C_8)-alkylcarbonyloxy, (C_1-C_8)-alkoxy-(C_1-C_8)-alkylcarbonyloxy, aryl-(C_1-C_8)-alkylcarbonyloxy, heteroarylcarbonyloxy, (C_3-C_{10})-cycloalkylcarbonyloxy, heterocyclylcarbonyloxy, (C_1-C_8)-haloalkylcarbonyloxy, (C_2-C_8)-alkenylcarbonyloxy, OC(O)OR^{12}, OC(O)SR^{13}, OC(S)OR^{12}, OC(S)SR^{13}, OSO_2R^{13}, OSO_2OR^{12}, OCHO,

R^4 and R^7 independently of one another represent hydrogen, hydrothio, hydroxy, halogen, (C_1-C_8)-alkyl, (C_1-C_8)-haloalkyl, (C_3-C_{10})-cycloalkyl, (C_3-C_{10})-cycloalkyl-(C_1-C_8)-alkyl, aryl, heteroaryl, heterocyclyl, aryl-(C_1-C_8)-alkyl, heteroaryl-(C_1-C_8)-alkyl, heterocyclyl-(C_1-C_8)-alkyl, (C_2-C_8)-alkenyl, (C_2-C_8)-alkynyl, (C_2-C_8)-haloalkenyl, (C_2-C_8)-haloalkynyl, (C_3-C_{10})-halocycloalkyl, (C_4-C_{10})-cycloalkenyl, (C_4-C_{10})-halocycloalkenyl, aryl-(C_2-C_8)-alkenyl, heteroaryl-(C_2-C_8)-alkenyl, heterocyclyl-(C_2-C_8)-alkenyl, aryl-(C_2-

C_8)-alkynyl, heteroaryl-(C_2-C_8)-alkynyl, heterocyclyl-(C_2-C_8)-alkynyl, (C_3-C_{10})-cycloalkyl-(C_2-C_8)-alkynyl, arylcarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkylcarbonyl-(C_1-C_8)-alkyl, heteroarylcarbonyl-(C_1-C_8)-alkyl, (C_3-C_{10})-cycloalkylcarbonyl-(C_1-C_8)-alkyl, aryl-(C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, arylcarbonyloxy-(C_1-C_8)-alkyl, heteroarylcarbonyloxy-(C_1-C_8)-alkyl, heterocyclylcarbonyloxy-(C_1-C_8)-alkyl, (C_1-C_8)-alkylcarbonyloxy-(C_1-C_8)-alkyl, (C_3-C_8)-cycloalkylcarbonyloxy-(C_1-C_8)-alkyl, (C_1-C_8)-haloalkoxy-(C_1-C_8)-alkyl, aryl-(C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, heteroaryl-(C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, CHO, C(O)R^{12}, C(O)OR^{12}, C(O)N$R^{10}R^{11}$, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, N$R^{10}R^{11}$, $R^{10}R^{11}$N-(C_1-C_8)-alkyl, cyano-(C_1-C_8)-alkyl, hydroxycarbonyl-(C_1-C_8)-alkyl, hydroxycarbonyl, (C_1-C_8)-haloalkoxy-(C_1-C_8)-alkylthio, (C_1-C_8)-alkylthio-(C_1-C_8)-alkylene, (C_1-C_8)-haloalkylthio-(C_1-C_8)-alkylthio, (C_1-C_8)-alkylthio-(C_1-C_8)-alkylthio, aminocarbonyl, aminocarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkylaminocarbonyl-(C_1-C_8)-alkyl, (C_3-C_8)-cycloalkylaminocarbonyl-(C_1-C_8)-alkyl, (C_2-C_8)-alkenyloxycarbonyl-(C_1-C_8)-alkyl, (C_3-C_8)-cycloalkyl-(C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, cyano, hydroxy-(C_1-C_8)-alkyl, (C_2-C_8)-alkenyloxy-(C_1-C_8)-alkyl, or

R^4 and R^7 together with the carbon atom to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, when Q represents Q-3, Q-4, Q-8, Q-9, Q-12 and Q-19,

R^5 represents hydrogen, formyl, (C_1-C_8)-alkyl, (C_1-C_8)-haloalkyl, hydroxy-(C_1-C_8)-alkyl, hydroxycarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, (C_3-C_{10})-cycloalkyl, (C_3-C_{10})-halocycloalkyl, aryl, heteroaryl, (C_3-C_{10})-cycloalkyl-(C_1-C_8)-alkyl, heterocyclyl, (C_2-C_8)-alkenyl, (C_2-C_8)-alkynyl, N$R^{10}R^{11}$, aryl-(C_1-C_8)-alkyl, heteroaryl-(C_1-C_8)-alkyl, heterocyclyl-(C_1-C_8)-alkyl, (C_1-C_8)-cyanoalkyl, C(O)R^{12}, C(O)OR^{12}, C(O)N$R^{10}R^{11}$, SO_2R^{13}, (C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, (C_2-C_8)-alkenyloxycarbonyl-(C_1-C_8)-alkyl, aryl-(C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, heteroaryl-(C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, aryloxycarbonyl-(C_1-C_8)-alkyl, arylcarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkylcarbonyl-(C_1-C_8)-alkyl, heteroarylcarbonyl-(C_1-C_8)-alkyl, heterocyclylcarbonyl-(C_1-C_8)-alkyl, or

R^4 and R^5 together with the nitrogen atom or carbon atom to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, when Q represents Q-13, Q-14, Q-15, Q-25 and Q-26,

R^6 represents hydrogen or (C_1-C_8)-alkyl,

R^8 represents hydrogen, halogen, cyano, nitro, hydrothio, hydroxy, $NR^{10}R^{11}$, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, thiocyanato, isothiocyanato, formyl, (C_1-C_8)-alkyl, (C_2-C_8)-alkenyl, (C_2-C_8)-alkynyl, (C_1-C_{10})-haloalkyl, (C_2-C_8)-haloalkenyl, (C_2-C_8)-haloalkynyl, (C_3-C_{10})-cycloalkyl, (C_3-C_{10})-halocycloalkyl, (C_4-C_{10})-cycloalkenyl, (C_4-C_{10})-halocycloalkenyl, pentafluorothio, (C_1-C_8)-alkoxy-(C_1-C_8)-haloalkyl, (C_1-C_8)-haloalkoxy-(C_1-C_8)-haloalkyl, (C_1-C_8)-haloalkoxy-(C_1-C_8)-alkyl, aryl, aryl-(C_1-C_8)-alkyl, heteroaryl, heteroaryl-(C_1-C_8)-alkyl, (C_3-C_8)-cycloalkyl-(C_1-C_8)-alkyl, (C_4-C_{10})-cycloalkenyl-(C_1-C_8)-alkyl, heterocyclyl, heterocyclyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, (C_1-C_8)-alkylthio-(C_1-C_8)-alkyl, (C_1-C_8)-haloalkylthio-(C_1-C_8)-alkyl, (C_1-C_8)-alkylcarbonyl-(C_1-C_8)-alkyl, $C(O)OR^{12}$, $C(O)NR^{10}R^{11}$, $C(O)R^{12}$, $-C{=}NOR^{12}$, -C=NOH, $R^{10}R^{11}N$-(C_1-C_8)-alkyl, $R^{12}O(O)C$-(C_1-C_8)-alkyl, hydroxycarbonyl, hydroxycarbonyl-(C_1-C_8)-alkyl, aryl-(C_1-C_8)-alkynyl, heteroaryl-(C_1-C_8)-alkynyl, heterocyclyl-(C_1-C_8)-alkynyl, tris[(C_1-C_8)-alkyl]silyl-(C_2-C_8)-alkynyl, bis[(C_1-C_8)-alkyl](aryl)silyl-(C_2-C_8)-alkynyl, bisaryl[(C_1-C_8)-alkyl]silyl-(C_2-C_8)-alkynyl, (C_3-C_8)-cycloalkyl-(C_2-C_8)-alkynyl, aryl-(C_2-C_8)-alkenyl, heteroaryl-(C_2-C_8)-alkenyl, heterocyclyl-(C_2-C_8)-alkenyl, (C_3-C_8)-cycloalkyl-(C_2-C_8)-alkenyl, (C_1-C_8)-alkoxy-(C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, (C_1-C_8)-alkylaminosulfonylamino, (C_3-C_8)-cycloalkylaminosulfonylamino, diazo, aryldiazo, tris[(C_1-C_8)-alkyl]silyl, bis[(C_1-C_8)-alkyl](aryl)silyl, bisaryl[(C_1-C_8)-alkyl]silyl,

R^{10} and R^{11} are the same or different and independently of one another represent hydrogen, (C_1-C_8)-alkyl, (C_2-C_8)-alkenyl, (C_2-C_8)-alkynyl, (C_1-C_8)-cyanoalkyl, (C_1-C_{10})-haloalkyl, (C_2-C_8)-haloalkenyl, (C_2-C_8)-haloalkynyl, (C_3-C_{10})-cycloalkyl, (C_3-C_{10})-halocycloalkyl, (C_4-C_{10})-cycloalkenyl, (C_4-C_{10})-halocycloalkenyl, (C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, (C_1-C_8)-haloalkoxy-(C_1-C_8)-alkyl, (C_1-C_8)-alkylthio-(C_1-C_8)-alkyl, (C_1-C_8)-haloalkylthio-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxy-(C_1-C_8)-haloalkyl, aryl, aryl-(C_1-C_8)-alkyl, heteroaryl, heteroaryl-(C_1-C_8)-alkyl, (C_3-C_{10})-cycloalkyl-(C_1-C_8)-alkyl, (C_4-C_{10})-cycloalkenyl-(C_1-C_8)-alkyl, COR^{12}, SO_2R^{13}, (C_1-C_8)-alkyl-HNO_2S-, (C_3-C_{10})-cycloalkyl-HNO_2S-, heterocyclyl, (C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxycarbonyl, aryl-(C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, aryl-(C_1-C_8)-alkoxycarbonyl, heteroaryl-(C_1-C_8)-alkoxycarbonyl, (C_2-C_8)-alkenyloxycarbonyl, (C_2-C_8)-alkynyloxycarbonyl, heterocyclyl-(C_1-C_8)-alkyl,

R^{12} represents (C_1-C_8)-alkyl, (C_2-C_8)-alkenyl, (C_2-C_8)-alkynyl, (C_1-C_8)-cyanoalkyl, (C_1-C_{10})-haloalkyl, (C_2-C_8)-haloalkenyl, (C_2-C_8)-haloalkynyl, (C_3-C_{10})-cycloalkyl, (C_3-C_{10})-halocycloalkyl, (C_4-C_{10})-cycloalkenyl, (C_4-C_{10})-halocycloalkenyl, (C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxy-(C_1-C_8)-haloalkyl, aryl, aryl-(C_1-C_8)-alkyl, heteroaryl, heteroaryl-(C_1-C_8)-alkyl, (C_3-C_{10})-cycloalkyl-(C_1-C_8)-alkyl, (C_4-C_{10})-cycloalkenyl-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, (C_2-C_8)-alkenyloxycarbonyl-(C_1-C_8)-alkyl, aryl-(C_1-C_8)-alkoxycarbonyl-(C_1-C_8)-alkyl, hydroxycarbonyl-(C_1-C_8)-alkyl, heterocyclyl, heterocyclyl-(C_1-C_8)-alkyl,

R^{13} represents (C_1-C_8)-alkyl, (C_2-C_8)-alkenyl, (C_2-C_8)-alkynyl, (C_1-C_8)-cyanoalkyl, (C_1-C_{10})-haloalkyl, (C_2-C_8)-haloalkenyl, (C_2-C_8)-haloalkynyl, (C_3-C_{10})-cycloalkyl, (C_3-C_{10})-halocycloalkyl, (C_4-C_{10})-cycloalkenyl, (C_4-C_{10})-halocycloalkenyl, (C_1-C_8)-alkoxy-(C_1-C_8)-alkyl, (C_1-C_8)-alkoxy-(C_1-C_8)-haloalkyl, aryl, aryl-(C_1-C_8)-alkyl, heteroaryl, heteroaryl-(C_1-C_8)-alkyl, heterocyclyl-(C_1-C_8)-alkyl, (C_3-C_{10})-cycloalkyl-(C_1-C_8)-alkyl, (C_4-C_{10})-cycloalkenyl-(C_1-C_8)-alkyl, $NR^{10}R^{11}$,

R^{14} and R^{15} independently of one another represent hydrogen, (C_1-C_8)-alkyl, halogen, or

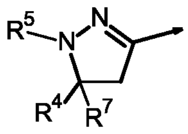
R^9 and R^{15} together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

and

W represents oxygen.

2. The compound of the general formula (I) as claimed in claim 1 and/or the salts thereof, characterized in that

Q represents the groups Q-1 to Q-30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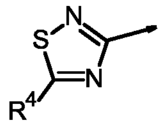
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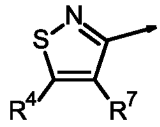
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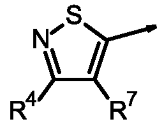
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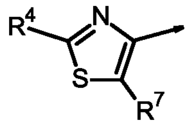
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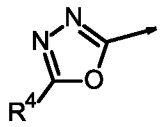
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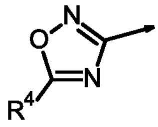
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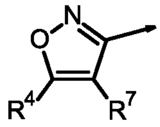
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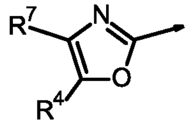
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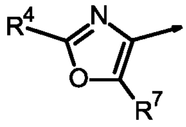
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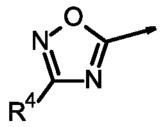
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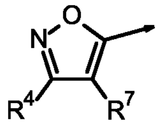
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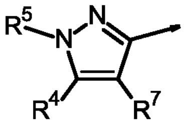
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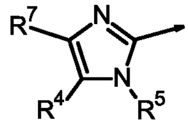
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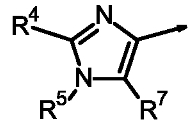
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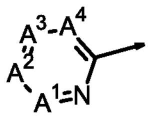
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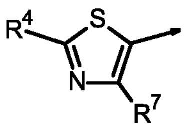
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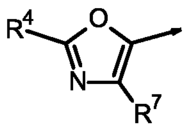
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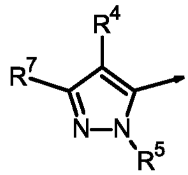
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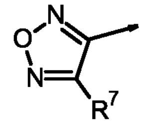
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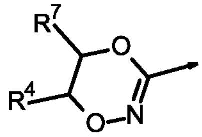
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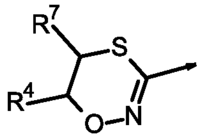
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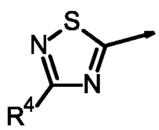
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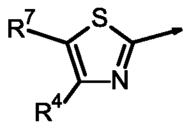
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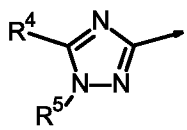
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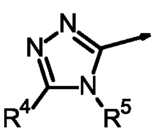
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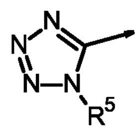
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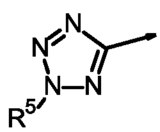
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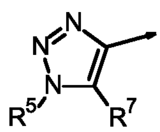
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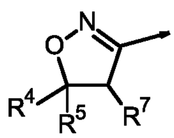

Q-30

where the arrow represents a bond of the respective Q group to the nitrogen of the tetrahydropyrimidinone in the general formula (I),

A^1, A^2, A^3, A^4 are identical or different and independently of one another represent N (nitrogen) or the moiety C-R^8, but there are never more than two adjacent nitrogen atoms, and where R^8 in the moiety C-R^8 in each case has identical or different meanings according to the definition below, or

A^1 and A^2, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution, or

A^2 and A^3, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution, or

A^3 and A^4, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution,

R^1 represents hydrogen, hydroxy, (C_1-C_7)-alkyl, (C_1-C_7)-haloalkyl, (C_1-C_7)-hydroxyalkyl, hydroxycarbonyl-(C_1-C_7)-alkylene, (C_1-C_7)-alkoxy, (C_1-C_7)-alkoxy-(C_1-C_7)-alkylene, (C_1-C_7)-alkoxyalkyloxy, (C_1-C_7)-haloalkoxy, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, aryl, heteroaryl, (C_3-C_8)-cycloalkyl-(C_1-C_7)-alkylene, heterocyclyl, (C_2-C_7)-alkenyl, (C_2-C_7)-alkenyloxy, (C_2-C_7)-alkynyl, (C_2-C_7)-alkynyloxy, amino, bis[(C_1-C_7)-alkyl]amino, aryl-(C_1-C_7)-alkylene, heteroaryl-(C_1-C_7)-alkylene, heterocyclyl-(C_1-C_7)-alkylene, (C_1-C_7)-cyanoalkyl, C(O)R^{12}, C(O)OR^{12}, C(O)N$R^{10}R^{11}$, SO_2R^{13}, R^{12}O(O)C-(C_1-C_7)-alkylene, arylcarbonyl-(C_1-C_7)-alkylene, (C_1-C_7)-alkylcarbonyl-(C_1-C_7)-alkylene, heteroarylcarbonyl-(C_1-C_7)-alkylene, heterocyclylcarbonyl-(C_1-C_7)-alkylene, (C_1-C_7)-alkylcarbonyloxy-(C_1-C_7)-alkylene,

R^2 and R^9 independently of one another represent hydrogen, hydroxy, halogen, (C_1-C_7)-alkyl, (C_1-C_7)-haloalkyl, (C_3-C_8)-cycloalkyl, aryl, heteroaryl, heterocyclyl, aryl-(C_1-C_7)-alkyl, heteroaryl-(C_1-C_7)-alkyl, heterocyclyl-(C_1-C_7)-alkyl, (C_2-C_7)-alkenyl, (C_2-C_7)-alkynyl, (C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, (C_1-C_7)-haloalkoxy-(C_1-C_7)-alkyl, aryl-(C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, heteroaryl-(C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, N$R^{10}R^{11}$, $R^{10}R^{11}$N-(C_1-C_7)-alkyl, cyano-(C_1-C_7)-alkyl, cyano, hydroxy-(C_1-C_7)-alkyl, or

R^1 and R^2 together with the nitrogen atom or carbon atom to which they are respectively attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, or

R^2 and R^9 together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

R^3 represents hydroxy, hydrothio, halogen, $NR^{10}R^{11}$, (C_1-C_7)-alkoxy, (C_3-C_8)-cycloalkyl-(C_1-C_7)-alkoxy, aryl-(C_1-C_7)-alkoxy, (C_1-C_7)-alkoxy-(C_1-C_7)-alkoxy, arylcarbonyloxy, (C_1-C_7)-alkylcarbonyloxy, (C_1-C_7)-alkoxy-(C_1-C_7)-alkylcarbonyloxy, aryl-(C_1-C_7)-alkylcarbonyloxy, heteroarylcarbonyloxy, (C_3-C_8)-cycloalkylcarbonyloxy, heterocyclylcarbonyloxy, (C_1-C_7)-haloalkylcarbonyloxy, (C_2-C_7)-alkenylcarbonyloxy, $OC(O)OR^{12}$, $OC(O)SR^{13}$, $OC(S)OR^{12}$, $OC(S)SR^{13}$, OSO_2R^{13}, OSO_2OR^{12}, OCHO,

R^4 and R^7 independently of one another represent hydrogen, hydrothio, hydroxy, halogen, (C_1-C_7)-alkyl, (C_1-C_7)-haloalkyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-cycloalkyl-(C_1-C_7)-alkyl, aryl, heteroaryl, heterocyclyl, aryl-(C_1-C_7)-alkyl, heteroaryl-(C_1-C_7)-alkyl, heterocyclyl-(C_1-C_7)-alkyl, (C_2-C_7)-alkenyl, (C_2-C_7)-alkynyl, (C_2-C_7)-haloalkenyl, (C_2-C_7)-haloalkynyl, (C_3-C_8)-halocycloalkyl, (C_4-C_8)-cycloalkenyl, (C_4-C_8)-halocycloalkenyl, aryl-(C_2-C_7)-alkenyl, heteroaryl-(C_2-C_7)-alkenyl, heterocyclyl-(C_2-C_7)-alkenyl, aryl-(C_2-C_7)-alkynyl, heteroaryl-(C_2-C_7)-alkynyl, heterocyclyl-(C_2-C_7)-alkynyl, (C_3-C_8)-cycloalkyl-(C_2-C_7)-alkynyl, arylcarbonyl-(C_1-C_7)-alkyl, (C_1-C_7)-alkylcarbonyl-(C_1-C_7)-alkyl, heteroarylcarbonyl-(C_1-C_7)-alkyl, (C_3-C_8)-cycloalkylcarbonyl-(C_1-C_7)-alkyl, aryl-(C_1-C_7)-alkoxycarbonyl-(C_1-C_7)-alkyl, (C_1-C_7)-alkoxycarbonyl-(C_1-C_7)-alkyl, (C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, arylcarbonyloxy-(C_1-C_7)-alkyl, heteroarylcarbonyloxy-(C_1-C_7)-alkyl, heterocyclylcarbonyloxy-(C_1-C_7)-alkyl, (C_1-C_7)-alkylcarbonyloxy-(C_1-C_7)-alkyl, (C_3-C_7)-cycloalkylcarbonyloxy-(C_1-C_7)-alkyl, (C_1-C_7)-haloalkoxy-(C_1-C_7)-alkyl, aryl-(C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, heteroaryl-(C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, CHO, $C(O)R^{12}$, $C(O)OR^{12}$, $C(O)NR^{10}R^{11}$, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, $NR^{10}R^{11}$, $R^{10}R^{11}N$-(C_1-C_7)-alkyl, cyano-(C_1-C_7)-alkyl, hydroxycarbonyl-(C_1-C_7)-alkyl, hydroxycarbonyl, (C_1-C_7)-haloalkoxy-(C_1-C_7)-alkylthio, (C_1-C_7)-alkylthio-(C_1-C_7)-alkylene, (C_1-C_7)-haloalkylthio-(C_1-C_7)-alkylthio, (C_1-C_7)-alkylthio-(C_1-C_7)-alkylthio, aminocarbonyl, aminocarbonyl-(C_1-C_7)-alkyl, (C_1-C_7)-alkylaminocarbonyl-(C_1-C_7)-alkyl, (C_3-C_7)-cycloalkylaminocarbonyl-(C_1-C_7)-alkyl, (C_2-C_7)-alkenyloxycarbonyl-(C_1-C_7)-alkyl, (C_3-C_7)-cycloalkyl-(C_1-C_7)-alkoxycarbonyl-(C_1-C_7)-alkyl, cyano, hydroxy-(C_1-C_7)-alkyl, (C_2-C_7)-alkenyloxy-(C_1-C_7)-alkyl, or

R^4 and R^7 together with the carbon atom to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, when Q represents Q-3, Q-4, Q-8, Q-9, Q-12, Q-13, Q-19 and Q-30,

R^5 represents hydrogen, formyl, (C_1-C_7)-alkyl, (C_1-C_7)-haloalkyl, hydroxy-(C_1-C_7)-alkyl, hydroxycarbonyl-(C_1-C_7)-alkyl, (C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, aryl, heteroaryl, (C_3-C_8)-cycloalkyl-(C_1-C_7)-alkyl, heterocyclyl, (C_2-C_7)-alkenyl, (C_2-C_7)-alkynyl, $NR^{10}R^{11}$, aryl-(C_1-C_7)-alkyl, heteroaryl-(C_1-C_7)-alkyl, heterocyclyl-(C_1-C_7)-alkyl, (C_1-C_7)-cyanoalkyl, $C(O)R^{12}$, $C(O)OR^{12}$, $C(O)NR^{10}R^{11}$, SO_2R^{13}, (C_1-C_7)-alkoxycarbonyl-(C_1-C_7)-alkyl, (C_2-C_7)-alkenyloxycarbonyl-(C_1-C_7)-alkyl, aryl-(C_1-C_7)-alkoxycarbonyl-(C_1-C_7)-alkyl, heteroaryl-(C_1-C_7)-alkoxycarbonyl-(C_1-C_7)-alkyl, aryloxycarbonyl-(C_1-C_7)-alkyl, arylcarbonyl-(C_1-C_7)-alkyl, (C_1-C_7)-alkylcarbonyl-(C_1-C_7)-alkyl, heteroarylcarbonyl-(C_1-C_7)-alkyl, heterocyclylcarbonyl-(C_1-C_7)-alkyl, or

R^4 and R^5 together with the nitrogen atom or carbon atom to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, when Q represents Q-13, Q-14, Q-15, Q-25 and Q-26,

R^6 represents hydrogen or (C_1-C_7)-alkyl,

R^8 represents hydrogen, halogen, cyano, nitro, hydrothio, hydroxy, $NR^{10}R^{11}$, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, thiocyanato, isothiocyanato, formyl, (C_1-C_7)-alkyl, (C_2-C_7)-alkenyl, (C_2-C_7)-alkynyl, (C_1-C_8)-haloalkyl, (C_2-C_7)-haloalkenyl, (C_2-C_7)-haloalkynyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, (C_4-C_8)-cycloalkenyl, (C_4-C_8)-halocycloalkenyl, pentafluorothio, (C_1-C_7)-alkoxy-(C_1-C_7)-haloalkyl, (C_1-C_7)-haloalkoxy-(C_1-C_7)-haloalkyl, (C_1-C_7)-haloalkoxy-(C_1-C_7)-alkyl, aryl, aryl-(C_1-C_7)-alkyl, heteroaryl, heteroaryl-(C_1-C_7)-alkyl, (C_3-C_7)-cycloalkyl-(C_1-C_7)-alkyl, (C_4-C_8)-cycloalkenyl-(C_1-C_7)-alkyl, heterocyclyl, heterocyclyl-(C_1-C_7)-alkyl, (C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, (C_1-C_7)-alkylthio-(C_1-C_7)-alkyl, (C_1-C_7)-haloalkylthio-(C_1-C_7)-alkyl, (C_1-C_7)-alkylcarbonyl-(C_1-C_7)-alkyl, $C(O)OR^{12}$, $C(O)NR^{10}R^{11}$, $C(O)R^{12}$, -C=NOR^{12}, -C=NOH, $R^{10}R^{11}N$-(C_1-C_7)-alkyl, $R^{12}O(O)C$-(C_1-C_7)-alkyl, hydroxycarbonyl, hydroxycarbonyl-(C_1-C_7)-alkyl, aryl-(C_1-C_7)-alkynyl, heteroaryl-(C_1-C_7)-alkynyl, heterocyclyl-(C_1-C_7)-alkynyl, tris[(C_1-C_7)-alkyl]silyl-(C_2-C_7)-alkynyl, bis[(C_1-C_7)-alkyl](aryl)silyl-(C_2-C_7)-alkynyl, bisaryl[(C_1-C_7)-alkyl]silyl-(C_2-C_7)-alkynyl, (C_3-C_7)-cycloalkyl-(C_2-C_7)-alkynyl, aryl-

(C_2-C_7)-alkenyl, heteroaryl-(C_2-C_7)-alkenyl, heterocyclyl-(C_2-C_7)-alkenyl, (C_3-C_7)-cycloalkyl-(C_2-C_7)-alkenyl, (C_1-C_7)-alkoxy-(C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, (C_1-C_7)-alkylaminosulfonylamino, (C_3-C_7)-cycloalkylaminosulfonylamino, diazo, aryldiazo, tris[(C_1-C_7)-alkyl]silyl, bis[(C_1-C_7)-alkyl](aryl)silyl, bisaryl[(C_1-C_7)-alkyl]silyl,

R^{10} and R^{11} are the same or different and independently of one another represent hydrogen, (C_1-C_7)-alkyl, (C_2-C_7)-alkenyl, (C_2-C_7)-alkynyl, (C_1-C_7)-cyanoalkyl, (C_1-C_8)-haloalkyl, (C_2-C_7)-haloalkenyl, (C_2-C_7)-haloalkynyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, (C_4-C_8)-cycloalkenyl, (C_4-C_8)-halocycloalkenyl, (C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, (C_1-C_7)-haloalkoxy-(C_1-C_7)-alkyl, (C_1-C_7)-alkylthio-(C_1-C_7)-alkyl, (C_1-C_7)-haloalkylthio-(C_1-C_7)-alkyl, (C_1-C_7)-alkoxy-(C_1-C_7)-haloalkyl, aryl, aryl-(C_1-C_7)-alkyl, heteroaryl, heteroaryl-(C_1-C_7)-alkyl, (C_3-C_8)-cycloalkyl-(C_1-C_7)-alkyl, (C_4-C_8)-cycloalkenyl-(C_1-C_7)-alkyl, COR^{12}, SO_2R^{13}, (C_1-C_7)-alkyl-HNO_2S-, (C_3-C_8)-cycloalkyl-HNO_2S-, heterocyclyl, (C_1-C_7)-alkoxycarbonyl-(C_1-C_7)-alkyl, (C_1-C_7)-alkoxycarbonyl, aryl-(C_1-C_7)-alkoxycarbonyl-(C_1-C_7)-alkyl, aryl-(C_1-C_7)-alkoxycarbonyl, heteroaryl-(C_1-C_7)-alkoxycarbonyl, (C_2-C_7)-alkenyloxycarbonyl, (C_2-C_7)-alkynyloxycarbonyl, heterocyclyl-(C_1-C_7)-alkyl,

R^{12} represents (C_1-C_7)-alkyl, (C_2-C_7)-alkenyl, (C_2-C_7)-alkynyl, (C_1-C_7)-cyanoalkyl, (C_1-C_8)-haloalkyl, (C_2-C_7)-haloalkenyl, (C_2-C_7)-haloalkynyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, (C_4-C_8)-cycloalkenyl, (C_4-C_8)-halocycloalkenyl, (C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, (C_1-C_7)-alkoxy-(C_1-C_7)-haloalkyl, aryl, aryl-(C_1-C_7)-alkyl, heteroaryl, heteroaryl-(C_1-C_7)-alkyl, (C_3-C_8)-cycloalkyl-(C_1-C_7)-alkyl, (C_4-C_8)-cycloalkenyl-(C_1-C_7)-alkyl, (C_1-C_7)-alkoxycarbonyl-(C_1-C_7)-alkyl, (C_2-C_7)-alkenyloxycarbonyl-(C_1-C_7)-alkyl, aryl-(C_1-C_7)-alkoxycarbonyl-(C_1-C_7)-alkyl, hydroxycarbonyl-(C_1-C_7)-alkyl, heterocyclyl, heterocyclyl-(C_1-C_7)-alkyl,

R^{13} represents (C_1-C_7)-alkyl, (C_2-C_7)-alkenyl, (C_2-C_7)-alkynyl, (C_1-C_7)-cyanoalkyl, (C_1-C_8)-haloalkyl, (C_2-C_7)-haloalkenyl, (C_2-C_7)-haloalkynyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, (C_4-C_8)-cycloalkenyl, (C_4-C_8)-halocycloalkenyl, (C_1-C_7)-alkoxy-(C_1-C_7)-alkyl, (C_1-C_7)-alkoxy-(C_1-C_7)-haloalkyl, aryl, aryl-(C_1-C_7)-alkyl, heteroaryl, heteroaryl-(C_1-C_7)-alkyl, heterocyclyl-(C_1-C_7)-alkyl, (C_3-C_8)-cycloalkyl-(C_1-C_7)-alkyl, (C_4-C_8)-cycloalkenyl-(C_1-C_7)-alkyl, $NR^{10}R^{11}$,

R^{14} and R^{15} independently of one another represent hydrogen, (C_1-C_7)-alkyl, halogen, or

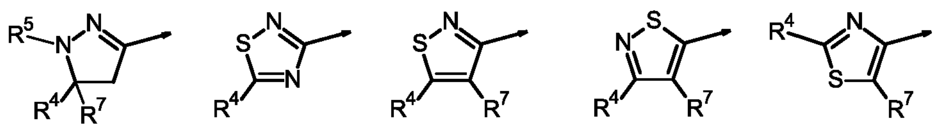
R^9 and R^{15} together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

and

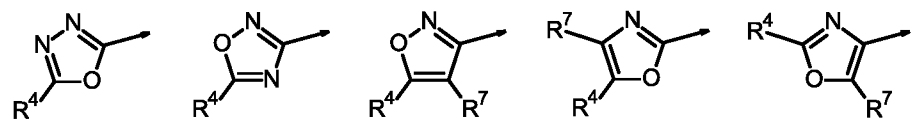
W represents oxygen.

3. The compound of the general formula (I) as claimed in claim 1 and/or the salts thereof, characterized in that

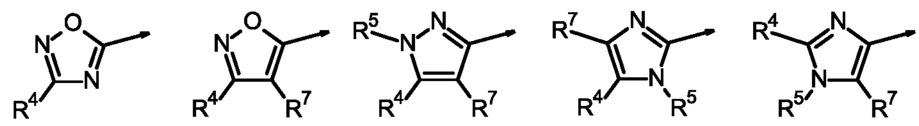
Q represents the groups Q-1 to Q-30



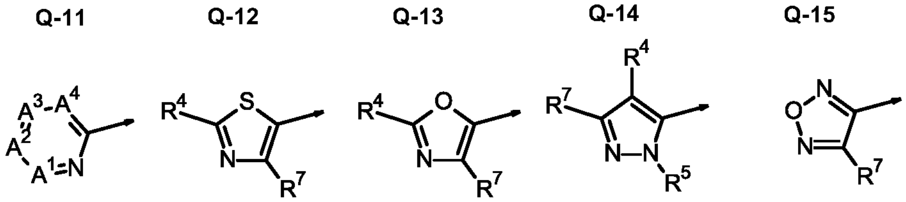
Q-1 Q-2 Q-3 Q-4 Q-5



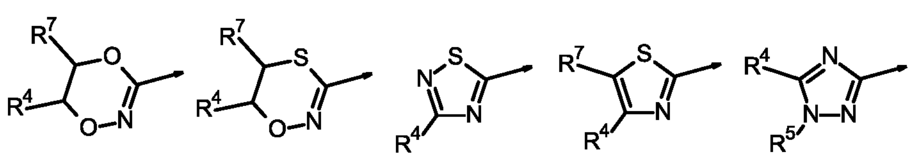
Q-6 Q-7 Q-8 Q-9 Q-10



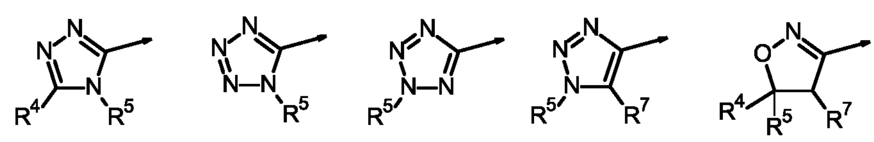
Q-11 Q-12 Q-13 Q-14 Q-15



Q-16 Q-17 Q-18 Q-19 Q-20



Q-21 Q-22 Q-23 Q-24 Q-25



Q-26 Q-27 Q-28 Q-29 Q-30

where the arrow represents a bond of the respective Q group to the nitrogen of the tetrahydropyrimidinone in the general formula (I),

A^1, A^2, A^3, A^4 are identical or different and independently of one another represent N (nitrogen) or the moiety C-R^8, but there are never more than two adjacent nitrogen atoms, and where R^8 in the moiety C-R^8 in each case has identical or different meanings according to the definition below, or

A^1 and A^2, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution, or

A^2 and A^3, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution, or

A^3 and A^4, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution,

R^1 represents hydrogen, hydroxy, (C_1-C_6)-alkyl, (C_1-C_6)-haloalkyl, (C_1-C_6)-hydroxyalkyl, hydroxycarbonyl-(C_1-C_6)-alkylene, (C_1-C_6)-alkoxy, (C_1-C_6)-alkoxy-(C_1-C_6)-alkylene, (C_1-C_6)-alkoxyalkyloxy, (C_1-C_6)-haloalkoxy, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, aryl, heteroaryl, (C_3-C_8)-cycloalkyl-(C_1-C_6)-alkylene, heterocyclyl, (C_2-C_6)-alkenyl, (C_2-C_6)-alkenyloxy, (C_2-C_6)-alkynyl, (C_2-C_6)-alkynyloxy, amino, bis[(C_1-C_6)-alkyl]amino, aryl-(C_1-C_6)-alkylene, heteroaryl-(C_1-C_6)-alkylene, heterocyclyl-(C_1-C_6)-alkylene, (C_1-C_6)-cyanoalkyl, C(O)R^{12}, C(O)OR^{12}, C(O)N$R^{10}R^{11}$, SO_2R^{13}, R^{12}O(O)C-(C_1-C_6)-alkylene, arylcarbonyl-(C_1-C_6)-alkylene, (C_1-C_6)-alkylcarbonyl-(C_1-C_6)-alkylene, heteroarylcarbonyl-(C_1-C_6)-alkylene, heterocyclylcarbonyl-(C_1-C_6)-alkylene, (C_1-C_6)-alkylcarbonyloxy-(C_1-C_6)-alkylene,

R^2 and R^9 independently of one another represent hydrogen, hydroxy, fluorine, (C_1-C_6)-alkyl, (C_1-C_6)-haloalkyl, (C_3-C_8)-cycloalkyl, aryl, heteroaryl, heterocyclyl, aryl-(C_1-C_6)-alkyl, heteroaryl-(C_1-C_6)-alkyl, heterocyclyl-(C_1-C_6)-alkyl, (C_2-C_6)-alkenyl, (C_2-C_6)-alkynyl, (C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, (C_1-C_6)-haloalkoxy-(C_1-C_6)-alkyl, aryl-(C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, heteroaryl-(C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, $NR^{10}R^{11}$, $R^{10}R^{11}N$-(C_1-C_6)-alkyl, cyano-(C_1-C_6)-alkyl, cyano, hydroxy-(C_1-C_6)-alkyl, or

R^1 and R^2 together with the nitrogen atom or carbon atom to which they are respectively attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, or

R^2 and R^9 together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

R^3 represents hydroxy, hydrothio, halogen, $NR^{10}R^{11}$, (C_1-C_6)-alkoxy, (C_3-C_8)-cycloalkyl-(C_1-C_6)-alkoxy, aryl-(C_1-C_6)-alkoxy, (C_1-C_6)-alkoxy-(C_1-C_6)-alkoxy, arylcarbonyloxy, (C_1-C_6)-alkylcarbonyloxy, (C_1-C_6)-alkoxy-(C_1-C_6)-alkylcarbonyloxy, aryl-(C_1-C_6)-alkylcarbonyloxy, heteroarylcarbonyloxy, (C_3-C_8)-cycloalkylcarbonyloxy, heterocyclylcarbonyloxy, (C_1-C_6)-haloalkylcarbonyloxy, (C_2-C_6)-alkenylcarbonyloxy, $OC(O)OR^{12}$, $OC(O)SR^{13}$, $OC(S)OR^{12}$, $OC(S)SR^{13}$, OSO_2R^{13}, OCHO,

R^4 and R^7 independently of one another represent hydrogen, hydrothio, hydroxy, halogen, (C_1-C_6)-alkyl, (C_1-C_6)-haloalkyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-cycloalkyl-(C_1-C_6)-alkyl, aryl, heteroaryl, heterocyclyl, aryl-(C_1-C_6)-alkyl, heteroaryl-(C_1-C_6)-alkyl, heterocyclyl-(C_1-C_6)-alkyl, (C_2-C_6)-alkenyl, (C_2-C_6)-alkynyl, (C_2-C_6)-haloalkenyl, (C_2-C_6)-haloalkynyl, (C_3-C_8)-halocycloalkyl, (C_4-C_8)-cycloalkenyl, (C_4-C_8)-halocycloalkenyl, aryl-(C_2-C_6)-alkenyl, heteroaryl-(C_2-C_6)-alkenyl, heterocyclyl-(C_2-C_6)-alkenyl, aryl-(C_2-C_6)-alkynyl, heteroaryl-(C_2-C_6)-alkynyl, heterocyclyl-(C_2-C_6)-alkynyl, (C_3-C_8)-cycloalkyl-(C_2-C_6)-alkynyl, arylcarbonyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkylcarbonyl-(C_1-C_6)-alkyl, heteroarylcarbonyl-(C_1-C_6)-alkyl, (C_3-C_8)-cycloalkylcarbonyl-(C_1-C_6)-alkyl, aryl-(C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, arylcarbonyloxy-(C_1-C_6)-alkyl, heteroarylcarbonyloxy-(C_1-C_6)-alkyl, heterocyclylcarbonyloxy-(C_1-C_6)-alkyl, (C_1-C_6)-alkylcarbonyloxy-(C_1-C_6)-alkyl, (C_3-C_6)-cycloalkylcarbonyloxy-(C_1-C_6)-alkyl, (C_1-C_6)-haloalkoxy-(C_1-C_6)-alkyl, aryl-(C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, heteroaryl-(C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, CHO, $C(O)R^{12}$, $C(O)OR^{12}$, $C(O)NR^{10}R^{11}$, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, $NR^{10}R^{11}$, $R^{10}R^{11}N$-(C_1-C_6)-alkyl, cyano-(C_1-C_6)-alkyl, hydroxycarbonyl-(C_1-C_6)-alkyl, hydroxycarbonyl, (C_1-C_6)-haloalkoxy-(C_1-C_6)-alkylthio, (C_1-C_6)-alkylthio-(C_1-C_6)-alkylene, (C_1-C_6)-haloalkylthio-(C_1-C_6)-alkylthio, (C_1-C_6)-alkylthio-(C_1-C_6)-alkylthio, aminocarbonyl, aminocarbonyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkylaminocarbonyl-(C_1-C_6)-alkyl, (C_3-C_6)-cycloalkylaminocarbonyl-(C_1-C_6)-alkyl, (C_2-C_6)-alkenyloxycarbonyl-(C_1-C_6)-alkyl, (C_3-C_6)-cycloalkyl-(C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, cyano, hydroxy-(C_1-C_6)-alkyl, (C_2-C_6)-alkenyloxy-(C_1-C_6)-alkyl, or

R^4 and R^7 together with the carbon atom to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, when Q represents Q-3, Q-4, Q-8, Q-9, Q-12, Q-13, Q-19 and Q-30,

R^5 represents hydrogen, formyl, (C_1-C_6)-alkyl, (C_1-C_6)-haloalkyl, hydroxy-(C_1-C_6)-alkyl, hydroxycarbonyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, aryl, heteroaryl, (C_3-C_8)-cycloalkyl-(C_1-C_6)-alkyl, heterocyclyl, (C_2-C_6)-alkenyl, (C_2-C_6)-alkynyl, $NR^{10}R^{11}$, aryl-(C_1-C_6)-alkyl, heteroaryl-(C_1-C_6)-alkyl, heterocyclyl-(C_1-C_6)-alkyl, (C_1-C_6)-cyanoalkyl, $C(O)R^{12}$, $C(O)OR^{12}$, $C(O)NR^{10}R^{11}$, SO_2R^{13}, (C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, (C_2-C_6)-alkenyloxycarbonyl-(C_1-C_6)-alkyl, aryl-(C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, heteroaryl-(C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, aryloxycarbonyl-(C_1-C_6)-alkyl, arylcarbonyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkylcarbonyl-(C_1-C_6)-alkyl, heteroarylcarbonyl-(C_1-C_6)-alkyl, heterocyclylcarbonyl-(C_1-C_6)-alkyl, or

R^4 and R^5 together with the nitrogen atom or carbon atom to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, when Q represents Q-13, Q-14, Q-15, Q-25 and Q-26,

R^6 represents hydrogen or (C_1-C_6)-alkyl,

R^8 represents hydrogen, halogen, cyano, nitro, hydrothio, hydroxy, $NR^{10}R^{11}$, OR^{12}, SR^{13}, SOR^{13}, SO_2R^{13}, thiocyanato, isothiocyanato, formyl, (C_1-C_6)-alkyl, (C_2-C_6)-alkenyl, (C_2-C_6)-alkynyl, (C_1-C_8)-haloalkyl, (C_2-C_6)-haloalkenyl, (C_2-C_6)-haloalkynyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, (C_4-C_8)-cycloalkenyl, (C_4-C_8)-halocycloalkenyl, pentafluorothio, (C_1-C_6)-alkoxy-(C_1-C_6)-haloalkyl, (C_1-C_6)-haloalkoxy-(C_1-C_6)-haloalkyl, (C_1-C_6)-haloalkoxy-(C_1-C_6)-alkyl, aryl, aryl-(C_1-C_6)-alkyl, heteroaryl, heteroaryl-(C_1-C_6)-alkyl, (C_3-C_6)-cycloalkyl-(C_1-C_6)-alkyl, (C_4-C_8)-cycloalkenyl-(C_1-C_6)-alkyl, heterocyclyl, heterocyclyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, (C_1-C_6)-alkylthio-(C_1-C_6)-alkyl, (C_1-C_6)-haloalkylthio-(C_1-C_6)-alkyl, (C_1-C_6)-alkylcarbonyl-(C_1-C_6)-alkyl, $C(O)OR^{12}$, $C(O)NR^{10}R^{11}$, $C(O)R^{12}$, -C=NOR^{12}, -C=NOH, $R^{10}R^{11}N$-(C_1-C_6)-alkyl, $R^{12}O(O)C$-(C_1-C_6)-alkyl, hydroxycarbonyl, hydroxycarbonyl-(C_1-C_6)-alkyl, aryl-(C_1-C_6)-alkynyl, heteroaryl-(C_1-C_6)-alkynyl, heterocyclyl-(C_1-C_6)-alkynyl, tris[(C_1-C_6)-alkyl]silyl-(C_2-C_6)-alkynyl, bis[(C_1-C_6)-alkyl](aryl)silyl-(C_2-C_6)-alkynyl, bisaryl[(C_1-C_6)-alkyl]silyl-(C_2-C_6)-alkynyl, (C_3-C_6)-cycloalkyl-(C_2-C_6)-alkynyl, aryl-(C_2-C_6)-alkenyl, heteroaryl-(C_2-C_6)-alkenyl, heterocyclyl-(C_2-C_6)-alkenyl, (C_3-C_6)-cycloalkyl-(C_2-C_6)-alkenyl, (C_1-C_6)-alkoxy-(C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, (C_1-C_6)-alkylaminosulfonylamino, (C_3-C_6)-cycloalkylaminosulfonylamino, diazo, aryldiazo, tris[(C_1-C_6)-alkyl]silyl, bis[(C_1-C_6)-alkyl](aryl)silyl, bisaryl[(C_1-C_6)-alkyl]silyl,

R^{10} and R^{11} are the same or different and independently of one another represent hydrogen, (C_1-C_6)-alkyl, (C_2-C_6)-alkenyl, (C_2-C_6)-alkynyl, (C_1-C_6)-cyanoalkyl, (C_1-C_8)-haloalkyl, (C_2-C_6)-haloalkenyl, (C_2-C_6)-haloalkynyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, (C_4-C_8)-cycloalkenyl, (C_4-C_8)-halocycloalkenyl, (C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, (C_1-C_6)-haloalkoxy-(C_1-C_6)-alkyl, (C_1-C_6)-alkylthio-(C_1-C_6)-alkyl, (C_1-C_6)-haloalkylthio-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxy-(C_1-C_6)-haloalkyl, aryl, aryl-(C_1-C_6)-alkyl, heteroaryl, heteroaryl-(C_1-C_6)-alkyl, (C_3-C_8)-cycloalkyl-(C_1-C_6)-alkyl, (C_4-C_8)-cycloalkenyl-(C_1-C_6)-alkyl, COR^{12}, SO_2R^{13}, (C_1-C_6)-alkyl-HNO_2S-, (C_3-C_8)-cycloalkyl-HNO_2S-, heterocyclyl, (C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxycarbonyl, aryl-(C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, aryl-(C_1-C_6)-alkoxycarbonyl, heteroaryl-(C_1-C_6)-alkoxycarbonyl, (C_2-C_6)-alkenyloxycarbonyl, (C_2-C_6)-alkynyloxycarbonyl, heterocyclyl-(C_1-C_6)-alkyl,

R^{12} represents (C_1-C_6)-alkyl, (C_2-C_6)-alkenyl, (C_2-C_6)-alkynyl, (C_1-C_6)-cyanoalkyl, (C_1-C_8)-haloalkyl, (C_2-C_6)-haloalkenyl, (C_2-C_6)-haloalkynyl, (C_3-C_8)-cycloalkyl, (C_3-C_8)-halocycloalkyl, (C_4-C_8)-cycloalkenyl, (C_4-C_8)-halocycloalkenyl, (C_1-C_6)-alkoxy-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxy-(C_1-C_6)-haloalkyl, aryl, aryl-(C_1-C_6)-alkyl, heteroaryl, heteroaryl-(C_1-C_6)-alkyl, (C_3-C_8)-cycloalkyl-(C_1-C_6)-alkyl, (C_4-C_8)-cycloalkenyl-(C_1-C_6)-alkyl, (C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, (C_2-C_6)-alkenyloxycarbonyl-(C_1-C_6)-alkyl, aryl-(C_1-C_6)-alkoxycarbonyl-(C_1-C_6)-alkyl, hydroxycarbonyl-(C_1-C_6)-alkyl, heterocyclyl, heterocyclyl-(C_1-C_6)-alkyl,

R^{13} represents $(C_1\text{-}C_6)$-alkyl, $(C_2\text{-}C_6)$-alkenyl, $(C_2\text{-}C_6)$-alkynyl, $(C_1\text{-}C_6)$-cyanoalkyl, $(C_1\text{-}C_8)$-haloalkyl, $(C_2\text{-}C_6)$-haloalkenyl, $(C_2\text{-}C_6)$-haloalkynyl, $(C_3\text{-}C_8)$-cycloalkyl, $(C_3\text{-}C_8)$-halocycloalkyl, $(C_4\text{-}C_8)$-cycloalkenyl, $(C_4\text{-}C_8)$-halocycloalkenyl, $(C_1\text{-}C_6)$-alkoxy-$(C_1\text{-}C_6)$-alkyl, $(C_1\text{-}C_6)$-alkoxy-$(C_1\text{-}C_6)$-haloalkyl, aryl, aryl-$(C_1\text{-}C_6)$-alkyl, heteroaryl, heteroaryl-$(C_1\text{-}C_6)$-alkyl, heterocyclyl-$(C_1\text{-}C_6)$-alkyl, $(C_3\text{-}C_8)$-cycloalkyl-$(C_1\text{-}C_6)$-alkyl, $(C_4\text{-}C_8)$-cycloalkenyl-$(C_1\text{-}C_6)$-alkyl, $NR^{10}R^{11}$,

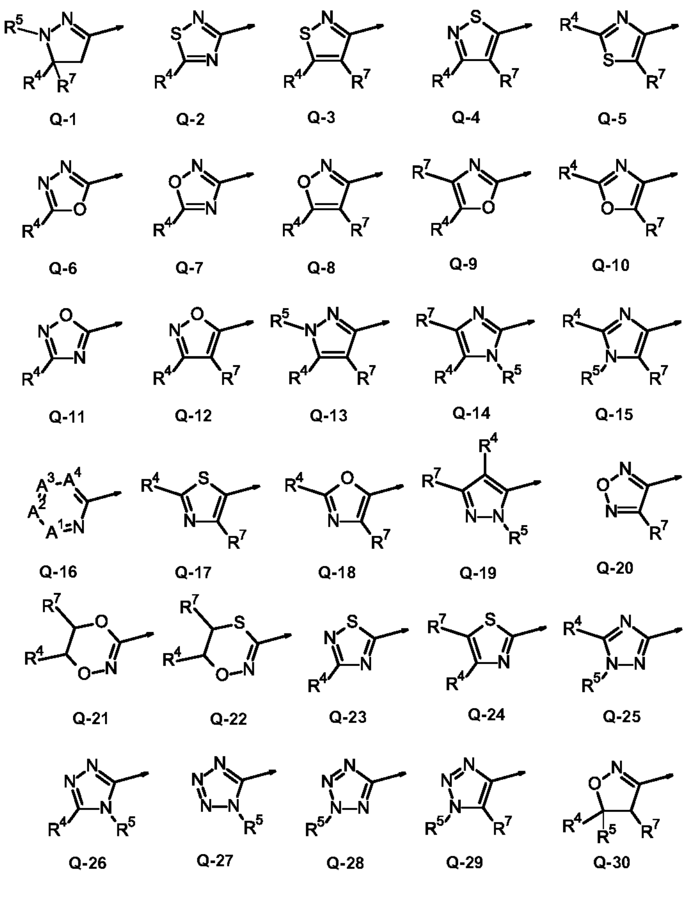
R^{14} and R^{15} independently of one another represent hydrogen, $(C_1\text{-}C_6)$-alkyl, fluorine, or

R^9 and R^{15} together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, and

W represents oxygen.

4. The compound of the general formula (I) as claimed in claim 1 and/or the salts thereof, characterized in that

Q represents the groups Q-1 to Q-30



where the arrow represents a bond of the respective Q group to the nitrogen of the tetrahydropyrimidinone in the general formula (I),

A^1, A^2, A^3, A^4 are identical or different and independently of one another represent N (nitrogen) or the moiety C-R^8, but there are never more than two adjacent nitrogen atoms, and where R^8 in the moiety C-R^8 in each case has identical or different meanings according to the definition above, or

A^1 and A^2, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution, or

A^2 and A^3, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution, or

A^3 and A^4, when each is a group C-R^8, together with the atoms to which they are attached form a fully saturated, partially saturated or fully unsaturated 5- to 7-membered ring which is optionally interrupted by heteroatoms from the group consisting of N, O and S and optionally has further substitution,

R^1 represents hydrogen, methyl, ethyl, n-propyl, 1-methylethyl, n-butyl, 1-methylprop-1-yl, 2-methylprop-1-yl, 1,1-dimethyleth-1-yl, n-pentyl, 1-methylbut-1-yl, 2-methylbut-1-yl, 3-methylbut-1-yl, 1,1-dimethylprop-1-yl, 1,2-dimethylprop-1-yl, 2,2-dimethylprop-1-yl, 1-ethylprop-1-yl, n-hexyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1,1-dimethylbutyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 3,3-dimethylbutyl, 1-ethylbutyl, 2-ethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-1-methylpropyl, 1-ethyl-2-methylpropyl, trifluoromethyl, pentafluoroethyl, 1,1,2,2-tetrafluoroethyl, heptafluoro-n-propyl, heptafluoroisopropyl, nonafluorobutyl, chlorodifluoromethyl, bromodifluoromethyl, dichlorofluoromethyl, iododifluoromethyl, bromofluoromethyl, 1-fluoroethyl, 2-fluoroethyl, fluoromethyl, difluoromethyl, 2,2-difluoroethyl, 2,2,2-trifluoroethyl, 3,3,3-trifluoroprop-1-yl, 3,3,3-trifluoroprop-2-yl, difluoro-tert-butyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, spiro[2.2]pent-1-yl, spiro[2.3]hex-1-yl, spiro[2.3]hex-4-yl, 3-spiro[2.3]hex-5-yl, spiro[3.3]hept-1-yl, spiro[3.3]hept-2-yl, bicyclo[1.1.0]butan-1-yl, bicyclo[1.1.0]butan-2-yl, bicyclo[2.1.0]pentan-1-yl, bicyclo[1.1.1]pentan-1-yl, bicyclo[2.1.0]pentan-2-yl, bicyclo[2.1.0]pentan-5-yl, bicyclo[2.1.1]hexyl, bicyclo[2.2.1]hept-2-yl, bicyclo[2.2.2]octan-2-yl, adamantan-1-yl, adamantan-2-yl, 1-methylcyclopropyl, 2-methylcyclopropyl, 2,2-dimethylcyclopropyl, 2,3-dimethylcyclopropyl, 1,1'-bi(cyclopropyl)-1-yl, 1,1'-bi(cyclopropyl)-2-yl, 2'-methyl-1,1'-bi(cyclopropyl)-2-yl, 1-cyanocyclopropyl, 2-cyanocyclopropyl, 1-methylcyclobutyl, 2-methylcyclobutyl, 3-methylcyclobutyl, 1-cyanocyclobutyl, 2-cyanocyclobutyl, 3-cyanocyclobutyl, 1-allylcyclopropyl, 1-vinylcyclobutyl, 1-vinylcyclopropyl, 1-ethylcyclopropyl, 1-methylcyclohexyl, 2-methylcyclohexyl, 3-methylcyclohexyl, 1-methoxycyclohexyl, 2-methoxycyclohexyl, 3-methoxycyclohexyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl, phenyl, p-F-phenyl, m-F-phenyl, o-F-phenyl, p-Cl-phenyl, m-Cl-phenyl, o-Cl-phenyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyrimidin-2-yl, pyrimidin-4-yl, thiophen-2-yl, thiophen-3-yl, furan-2-yl, furan-3-yl, tetrahydrofuran-2-yl, tetrahydrofuran-3-yl, benzyl, p-Cl-benzyl, p-F-benzyl, p-methoxybenzyl, p-methylbenzyl, p-trifluoromethylbenzyl, p-nitrobenzyl, m-Cl-benzyl, m-F-benzyl, m-methoxybenzyl, m-methylbenzyl, o-Cl-benzyl, o-F-benzyl, o-methoxybenzyl, o-methylbenzyl, 1-phenyleth-1-yl, 2-phenyleth-1-yl, 1-(o-chlorophenyl)eth-1-yl, 1-(o-fluorophenyl)eth-1-yl, 1-(o-methylphenyl)eth-1-yl, 1-(o-bromophenyl)eth-1-yl, 1-(o-iodophenyl)eth-1-yl, pyridin-2-ylmethyl, pyridin-3-ylmethyl, pyridin-4-ylmethyl, pyrimidin-2-ylmethyl, pyrimidin-4-ylmethyl, tetrahydrofuran-2-ylmethyl, o-cyanophenylmethyl, m-cyanophenylmethyl, p-cyanophenylmethyl, cyanomethyl, cyanoethyl, methoxycarbonyl, ethoxycarbonyl, n-propyloxycarbonyl, isopropyloxycarbonyl, tert-butyloxycarbonyl, benzyloxycarbonyl, allyloxycarbonyl, methylcarbonyl, ethylcarbonyl, n-propylcarbonyl, isopropylcarbonyl, n-butylcarbonyl, 1-methylprop-1-ylcarbonyl, 2-methylprop-1-ylcarbonyl, 1,1-dimethyleth-1-ylcarbonyl, phenylcarbonyl, methylaminocarbonyl, dimethylaminocarbonyl, ethylaminocarbonyl, n-propylaminocarbonyl, isopropylaminocarbonyl, n-butylaminocarbonyl, tert-butylaminocarbonyl, benzylaminocarbonyl, methoxycarbonylmethyl, ethoxycarbonylmethyl, tert-butyloxycarbonylmethyl, benzyloxycarbonylmethyl, methoxycarbonylethyl, ethoxycarbonylethyl, tert-butyloxycarbonylmethyl, benzyloxycarbonylmethyl, methylcarbonyloxymethyl, ethylcarbonyloxymethyl, n-propylcarbonyloxymethyl, 1-methylethylcarbonyloxymethyl, 1,1-dimethylethylcarbonyloxymethyl, hydroxycarbonylmethyl, hydroxycarbonylethyl, hydroxycarbonyl-n-propyl, methoxy, ethoxy, n-propyloxy, isopropyloxy, methoxymethyl, ethoxymethyl, n-propyloxymethyl, isopropyloxymethyl, n-butyloxymethyl, methoxyethyl, ethoxyethyl, n-propyloxyethyl, isopropyloxyethyl, methoxy-n-propyl, ethoxy-n-propyl, methoxy-n-butyl, amino, dimethylamino, methyl(ethyl)amino, diethylamino, cyanomethyl, cyanoethyl, prop-2-yn-1-yl,

R^2 and R^9 independently of one another represent hydrogen, hydroxy, fluorine, methyl, ethyl, n-propyl, isopropyl, n-butyl, 1-methylprop-1-yl, 2-methylprop-1-yl, 1,1-dimethyleth-1-yl, trifluoromethyl, difluoromethyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl, p-F-phenyl, m-F-phenyl, o-F-phenyl, p-Cl-phenyl, m-Cl-phenyl, o-Cl-phenyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyrimidin-2-yl, pyrimidin-4-yl, thiophen-2-yl, thiophen-3-yl, furan-2-yl, furan-3-yl, methoxymethyl, ethoxymethyl, methoxyethyl, ethoxyethyl, methoxy, ethoxy, n-propyloxy, isopropyloxy, trifluoromethoxy, difluoromethoxy, methylthio, ethylthio, trifluoromethylthio, dimethylamino, methylamino, diethylamino, methyl(ethyl)amino, cyano, or

R^1 and R^2 together with the nitrogen atom or carbon atom to which they are respectively attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, or

R^2 and R^9 together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

R^3 represents hydroxy, hydrothio, fluorine, chlorine, bromine, iodine, methoxy, ethoxy, n-propyloxy, 1-methylethoxy, n-butyloxy, 1-methylpropyloxy, 2-methylpropyloxy, 1,1-dimethylethoxy, n-pentyloxy, 1-methylbutyloxy, 2-methylbutyloxy, 3-methylbutyloxy, 1,1-dimethylpropyloxy, 1,2-dimethylpropyloxy, 2,2-dimethylpropyloxy, 1-ethylpropyloxy, n-hexyloxy, 1-methylpentyloxy, 2-methylpentyloxy, 3-methylpentyloxy, 4-methylpentyloxy, 1,1-dimethylbutyloxy, 1,2-dimethylbutyloxy, 1,3-dimethylbutyloxy, 2,2-dimethylbutyloxy, 2,3-dimethylbutyloxy, 3,3-dimethylbutyloxy, 1-ethylbutyloxy, 2-ethylbutyloxy, 1,1,2-trimethylpropyloxy, 1,2,2-trimethylpropyloxy, 1-ethyl-1-methylpropyloxy, 1-ethyl-2-methylpropyloxy, cyclopropylmethoxy, cyclobutylmethoxy, cyclopentylmethoxy, cyclohexylmethoxy, benzyloxy, p-chlorophenylmethoxy, m-chlorophenylmethoxy, o-chlorophenylmethoxy, p-methoxyphenylmethoxy, p-nitrophenylmethoxy, methoxymethoxy, methoxyethoxy, methoxy-n-propyloxy, methoxy-n-butyloxy, ethoxymethoxy, ethoxyethoxy, ethoxy-n-propyloxy, ethoxy-n-butyloxy, n-propyloxymethoxy, isopropyloxymethoxy, methylcarbonyloxy, ethylcarbonyloxy, n-propylcarbonyloxy, 1-methylethylcarbonyloxy, n-butylcarbonyloxy, 1-methylpropylcarbonyloxy, 2-methylpropylcarbonyloxy, 1,1-dimethylethylcarbonyloxy, n-pentylcarbonyloxy, 1-methylbutylcarbonyloxy, 2-methylbutylcarbonyloxy, 3-methylbutylcarbonyloxy, 1,1-dimethylpropylcarbonyloxy, 1,2-dimethylpropylcarbonyloxy, 2,2-dimethylpropylcarbonyloxy, 1-ethylpropylcarbonyloxy, n-hexylcarbonyloxy, 1-methylpentylcarbonyloxy, 2-methylpentylcarbonyloxy, 3-methylpentylcarbonyloxy, 4-methylpentylcarbonyloxy, 1,1-dimethylbutylcarbonyloxy, 1,2-dimethylbutylcarbonyloxy, 1,3-dimethylbutylcarbonyloxy, 2,2-dimethylbutylcarbonyloxy, 2,3-dimethylbutylcarbonyloxy, 3,3-dimethylbutylcarbonyloxy, 1-ethylbutylcarbonyloxy, 2-ethylbutylcarbonyloxy, 1,1,2-trimethylpropylcarbonyloxy, 1,2,2-trimethylpropylcarbonyloxy, 1-ethyl-1-methylpropylcarbonyloxy, 1-ethyl-2-methylpropylcarbonyloxy, phenylcarbonyloxy, p-chlorophenylcarbonyloxy, m-chlorophenylcarbonyloxy, o-chlorophenylcarbonyloxy, p-fluorophenylcarbonyloxy, m-fluorophenylcarbonyloxy, o-fluorophenylcarbonyloxy, benzylcarbonyloxy, thiophen-2-ylcarbonyloxy, furan-2-ylcarbonyloxy, cyclopropylcarbonyloxy, cyclobutylcarbonyloxy, cyclopentylcarbonyloxy, cyclohexylcarbonyloxy, 1-fluorocycloprop-1-ylcarbonyloxy, 1-chlorocycloprop-1-ylcarbonyloxy, 1-cyanocycloprop-1-ylcarbonyloxy, 1-methylcycloprop-1-ylcarbonyloxy, 1-trifluoromethylcycloprop-1-ylcarbonyloxy, adamantylcarbonyloxy, trifluoromethylcarbonyloxy, difluoromethylcarbonyloxy, methoxycarbonyloxy, ethoxycarbonyloxy, n-propyloxycarbonyloxy, isopropyloxycarbonyloxy, n-butyloxycarbonyloxy, 1,1-dimethylethyloxycarbonyloxy, 2,2-dimethylpropyloxycarbonyloxy, benzyloxycarbonyloxy, allyloxycarbonyloxy, cyclopropyloxycarbonyloxy, cyclobutyloxycarbonyloxy, cyclopentyloxycarbonyloxy, cyclohexyloxycarbonyloxy, cyclopropylmethyloxycarbonyloxy, cyclobutylmethyloxycarbonyloxy, cyclopentylmethyloxycarbonyloxy, cyclohexylmethyloxycarbonyloxy, 3,3,3-trifluoroethyloxycarbonyloxy, 2,2-difluoroethyloxycarbonyloxy, pyridin-2-ylcarbonyloxy, pyridin-3-ylcarbonyloxy, pyridin-4-ylcarbonyloxy, 4-trifluoromethylpyridin-3-ylcarbonyloxy, allylcarbonyloxy, methylsulfonyloxy, ethylsulfonyloxy, n-propylsulfonyloxy, 1-methylethylsulfonyloxy, cyclopropylsulfonyloxy, cyclobutylsulfonyloxy, cyclopentylsulfonyloxy, cyclohexylsulfonyloxy, phenylsulfonyloxy, p-chlorophenylsulfonyloxy, m-chlorophenylsulfonyloxy, o-chlorophenylsulfonyloxy, p-fluorophenylsulfonyloxy, m-fluorophenylsulfonyloxy, o-fluorophenylsulfonyloxy, p-methoxyphenylsulfonyloxy, m-methoxyphenylsulfonyloxy, o-methoxyphenylsulfonyloxy, p-methylphenylsulfonyloxy, m-methylphenylsulfonyloxy, o-methylphenylsulfonyloxy,

R^4 and R^7 independently of one another represent hydrogen, fluorine, chlorine, bromine, iodine, hydroxy, hydrothio, methyl, ethyl, n-propyl, 1-methylethyl, n-butyl, 1-methylpropyl, 2-methylpropyl, 1,1-dimethylethyl, n-pentyl, 1-methylbutyl, 2-methylbutyl, 3-methylbutyl, 1,1-dimethylpropyl, 1,2-dimethylpropyl, 2,2-dimethylpropyl, 1-ethylpropyl, n-hexyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1,1-dimethylbutyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 3,3-dimethylbutyl, 1-ethylbutyl, 2-ethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-1-methylpropyl, 1-ethyl-2-methylpropyl, trifluoromethyl, pentafluoroethyl, 1,1,2,2-tetrafluoroethyl, heptafluoro-n-propyl, heptafluoroisopropyl, nonafluorobutyl, chlorodifluoromethyl, bromodifluoromethyl, dichlorofluoromethyl, iododifluoromethyl, bromofluoromethyl, 1-fluoroethyl, 2-fluoroethyl, fluoromethyl, difluoromethyl, 2,2-difluoroethyl, 2,2,2-trifluoroethyl, difluoro-tert-butyl, chloromethyl, bromomethyl, fluoromethyl, 3,3,3-trifluoro-n-propyl, 1-fluoroprop-1-yl, 1-trifluoromethylprop-1-yl, 2-trifluoromethylprop-2-yl, 1-fluoroprop-1-yl, 2-fluoroprop-2-yl, 2-chloroprop-2-yl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, 1-methylcycloprop-1-yl, 2-methylcycloprop-1-yl, 2,2-dimethylcycloprop-1-yl, 2,3-dimethylcyclopropyl, 1-cyanocycloprop-1-yl, 2-cyanocycloprop-1-yl, 1-methylcyclobutyl, 2-methylcyclobutyl, 3-methylcyclobutyl, 3,3-dimethylcyclobutyl, 1-cyanocyclobutyl, 2-cyanocyclobutyl, 3-cyanocyclobutyl, 1-allylcyclopropyl, 1-vinylcyclobutyl, 1-vinylcyclopropyl, 1-ethylcyclopropyl, 1-methylcyclohexyl, 2-methylcyclohexyl, 3-methylcyclohexyl, 1-methoxycyclohexyl, 2-methoxycyclohexyl, 3-methoxycyclohexyl, spiro[2.2]pent-1-yl, spiro[2.3]hex-1-yl, spiro[2.3]hex-4-yl, 3-spiro[2.3]hex-5-yl, spiro[3.3]hept-1-yl, spiro[3.3]hept-2-yl, bicyclo[1.1.0]butan-1-yl, bicyclo[1.1.0]butan-2-yl, bicyclo[2.1.0]pentan-1-yl, bicyclo[1.1.1]pentan-1-yl, bicyclo[2.1.0]pentan-2-yl, bicyclo[2.1.0]pentan-5-yl, bicyclo[2.1.1]hexyl, bicyclo[2.2.1]hept-2-yl, bicyclo[2.2.2]octan-2-yl, bicyclo[3.2.1]octan-2-yl, bicyclo[3.2.2]nonan-2-yl, adamantan-1-yl, adamantan-2-yl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl, phenyl, 2-fluorophenyl, 3-fluorophenyl, 4-fluorophenyl, 2,4-difluorophenyl, 2,5-difluorophenyl, 2,6-difluorophenyl, 2,3-difluorophenyl, 3,4-difluorophenyl, 3,5-difluorophenyl, 2,4,5-trifluorophenyl, 3,4,5-trifluorophenyl, 2-chlorophenyl, 3-chlorophenyl, 4-chlorophenyl, 2,4-dichlorophenyl, 2,5-dichlorophenyl, 2,6-dichlorophenyl, 2,3-dichlorophenyl, 3,4-dichlorophenyl, 3,5-dichlorophenyl, 2,4,5-trichlorophenyl, 3,4,5-trichlorophenyl, 2,4,6-trichlorophenyl, 2-bromophenyl, 3-bromophenyl, 4-bromophenyl, 2-iodophenyl, 3-iodophenyl, 4-iodophenyl, 2-bromo-4-fluorophenyl, 2-bromo-4-chlorophenyl, 3-bromo-4-fluorophenyl, 3-bromo-4-chlorophenyl, 3-bromo-5-fluorophenyl, 3-bromo-5-chlorophenyl, 2-fluoro-4-bromophenyl, 2-chloro-4-bromophenyl, 3-fluoro-4-

bromophenyl, 3-chloro-4-bromophenyl, 2-chloro-4-fluorophenyl, 3-chloro-4-fluorophenyl, 2-fluoro-3-chlorophenyl, 2-fluoro-4-chlorophenyl, 2-fluoro-5-chlorophenyl, 3-fluoro-4-chlorophenyl, 3-fluoro-5-chlorophenyl, 2-fluoro-6-chlorophenyl, 2-methylphenyl, 3-methylphenyl, 4-methylphenyl, 2,4-dimethylphenyl, 2,5-dimethylphenyl, 2,6-dimethylphenyl, 2,3-dimethylphenyl, 3,4-dimethylphenyl, 3,5-dimethylphenyl, 2,4,5-trimethylphenyl, 3,4,5-trimethylphenyl, 2,4,6-trimethylphenyl, 2-methoxyphenyl, 3-methoxyphenyl, 4-methoxyphenyl, 2,4-dimethoxyphenyl, 2,5-dimethoxyphenyl, 2,6-dimethoxyphenyl, 2,3-dimethoxyphenyl, 3,4-dimethoxyphenyl, 3,5-dimethoxyphenyl, 2,4,5-trimethoxyphenyl, 3,4,5-trimethoxyphenyl, 2,4,6-trimethoxyphenyl, 2-trifluoromethoxyphenyl, 3-trifluoromethoxyphenyl, 4-trifluoromethoxyphenyl, 2-difluoromethoxyphenyl, 3-difluoromethoxyphenyl, 4-difluoromethoxyphenyl, 2-trifluoromethylphenyl, 3-trifluoromethylphenyl, 4-trifluoromethylphenyl, 2-difluoromethylphenyl, 3-difluoromethylphenyl, 4-difluoromethylphenyl, 3,5-bis(trifluoromethyl)phenyl, 3-trifluoromethyl-5-fluorophenyl, 3-trifluoromethyl-5-chlorophenyl, 3-methyl-5-fluorophenyl, 3-methyl-5-chlorophenyl, 3-methoxy-5-fluorophenyl, 3-methoxy-5-chlorophenyl, 3-trifluoromethoxy-5-chlorophenyl, 2-ethoxyphenyl, 3-ethoxyphenyl, 4-ethoxyphenyl, 2-methylthiophenyl, 3-methylthiophenyl, 4-methylthiophenyl, 2-trifluoromethylthiophenyl, 3-trifluoromethylthiophenyl, 4-trifluoromethylthiophenyl, 2-ethylphenyl, 3-ethylphenyl, 4-ethylphenyl, 2-methoxycarbonylphenyl, 3-methoxycarbonylphenyl, 4-methoxycarbonylphenyl, 2-ethoxycarbonylphenyl, 3-ethoxycarbonylphenyl, 4-ethoxycarbonylphenyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyrazin-2-yl, pyridazin-3-yl, pyridazin-4-yl, pyrimidin-2-yl, pyrimidin-5-yl, pyrimidin-4-yl, pyridazin-3-ylmethyl, pyridazin-4-ylmethyl, pyrimidin-2-ylmethyl, pyrimidin-5-ylmethyl, pyrimidin-4-ylmethyl, pyrazin-2-ylmethyl, 3-chloropyrazin-2-yl, 3-bromopyrazin-2-yl, 3-methoxypyrazin-2-yl, 3-ethoxypyrazin-2-yl, 3-trifluoromethylpyrazin-2-yl, 3-cyanopyrazin-2-yl, naphth-2-yl, naphth-1-yl, quinolin-4-yl, quinolin-6-yl, quinolin-8-yl, quinolin-2-yl, quinoxalin-2-yl, 2-naphthylmethyl, 1-naphthylmethyl, quinolin-4-ylmethyl, quinolin-6-ylmethyl, quinolin-8-ylmethyl, quinolin-2-ylmethyl, quinoxalin-2-ylmethyl, pyrazin-2-ylmethyl, 4-chloropyridin-2-yl, 3-chloropyridin-4-yl, 2-chloropyridin-3-yl, 2-chloropyridin-4-yl, 2-chloropyridin-5-yl, 2,6-dichloropyridin-4-yl, 3-chloropyridin-5-yl, 3,5-dichloropyridin-2-yl, 3-chloro-5-trifluoromethylpyridin-2-yl, (4-chloropyridin-2-yl)methyl, (3-chloropyridin-4-yl)methyl, (2-chloropyridin-3-yl)methyl, (2-chloropyridin-4-yl)methyl, (2-chloropyridin-5-yl)methyl, (2,6-dichloropyridin-4-yl)methyl, (3-chloropyridin-5-yl)methyl, (3,5-dichloropyridin-2-yl)methyl, thiophen-2-yl, thiophen-3-yl, 5-methylthiophen-2-yl, 5-ethylthiophen-2-yl, 5-chlorothiophen-2-yl, 5-bromothiophen-2-yl, 4-methylthiophen-2-yl, 3-methylthiophen-

2-yl, 5-fluorothiophen-3-yl, 3,5-dimethylthiophen-2-yl, 3-ethylthiophen-2-yl, 4,5-dimethylthiophen-2-yl, 3,4-dimethylthiophen-2-yl, 4-chlorothiophen-2-yl, furan-2-yl, 5-methylfuran-2-yl, 5-ethylfuran-2-yl, 5-methoxycarbonylfuran-2-yl, 5-chlorofuran-2-yl, 5-bromofuran-2-yl, thiophan-2-yl, thiophan-3-yl, sulfolan-2-yl, sulfolan-3-yl, tetrahydrothiopyran-4-yl, tetrahydropyran-4-yl, tetrahydrofuran-2-yl, tetrahydrofuran-3-yl, 1-(4-methylphenyl)ethyl, 1-(3-methylphenyl)ethyl, 1-(2-methylphenyl)ethyl, 1-(4-chlorophenyl)ethyl, 1-(3-chlorophenyl)ethyl, 1-(2-chlorophenyl)ethyl, benzyl, (4-fluorophenyl)methyl, (3-fluorophenyl)methyl, (2-fluorophenyl)methyl, (2,4-difluorophenyl)methyl, (3,5-difluorophenyl)methyl, (2,5-difluorophenyl)methyl, (2,6-difluorophenyl)methyl, (2,4,5-trifluorophenyl)methyl, (2,4,6-trifluorophenyl)methyl, (4-chlorophenyl)methyl, (3-chlorophenyl)methyl, (2-chlorophenyl)methyl, (2,4-dichlorophenyl)methyl, (3,5-dichlorophenyl)methyl, (2,5-dichlorophenyl)methyl, (2,6-dichlorophenyl)methyl, (2,4,5-trichlorophenyl)methyl, (2,4,6-trichlorophenyl)methyl, (4-bromophenyl)methyl, (3-bromophenyl)methyl, (2-bromophenyl)methyl, (4-iodophenyl)methyl, (3-iodophenyl)methyl, (2-iodophenyl)methyl, (3-chloro-5-trifluoromethylpyridin-2-yl)methyl, (2-bromo-4-fluorophenyl)methyl, (2-bromo-4-chlorophenyl)methyl, (3-bromo-4-fluorophenyl)methyl, (3-bromo-4-chlorophenyl)methyl, (3-bromo-5-fluorophenyl)methyl, (3-bromo-5-chlorophenyl)methyl, (2-fluoro-4-bromophenyl)methyl, (2-chloro-4-bromophenyl)methyl, (3-fluoro-4-bromophenyl)methyl, (3-chloro-4-bromophenyl)methyl, (2-chloro-4-fluorophenyl)methyl, (3-chloro-4-fluorophenyl)methyl, (2-fluoro-3-chlorophenyl)methyl, (2-fluoro-4-chlorophenyl)methyl, (2-fluoro-5-chlorophenyl)methyl, (3-fluoro-4-chlorophenyl)methyl, (3-fluoro-5-chlorophenyl)methyl, (2-fluoro-6-chlorophenyl)methyl, 2-phenyleth-1-yl, 3-trifluoromethyl-4-chlorophenyl, 3-chloro-4-trifluoromethylphenyl, 2-chloro-4-trifluoromethylphenyl, 3,5-difluoropyridin-2-yl, (3,6-dichloropyridin-2-yl)methyl, (4-trifluoromethylphenyl)methyl, (3-trifluoromethylphenyl)methyl, (2-trifluoromethylphenyl)methyl, (4-trifluoromethoxyphenyl)methyl, (3-trifluoromethoxyphenyl)methyl, (2-trifluoromethoxyphenyl)methyl, (4-methoxyphenyl)methyl, (3-methoxyphenyl)methyl, (2-methoxyphenyl)methyl, (4-methylphenyl)methyl, (3-methylphenyl)methyl, (2-methylphenyl)methyl, (4-cyanophenyl)methyl, (3-cyanophenyl)methyl, (2-cyanophenyl)methyl, (2,4-diethylphenyl)methyl, (3,5-diethylphenyl)methyl, (3,4-dimethylphenyl)methyl, (3,5-dimethoxyphenyl)methyl, 1-phenyleth-1-yl, 1-(o-chlorophenyl)eth-1-yl, 1,3-thiazol-2-yl, 4-methyl-1,3-thiazol-2-yl, 1,3-thiazol-2-yl, ethenyl, 1-propenyl, 2-propenyl, 1-methylethenyl, 1-butenyl, 2-butenyl, 3-butenyl, 1-methyl-1-propenyl, 2-methyl-1-propenyl, 1-methyl-2-propenyl, 2-methyl-2-propenyl, 1-

pentenyl, 2-pentenyl, 3-pentenyl, 4-pentenyl, 1-methyl-1-butenyl, 2-methyl-1-butenyl, 3-methyl-1-butenyl, 1-methyl-2-butenyl, 2-methyl-2-butenyl, 3-methyl-2-butenyl, 1-methyl-3-butenyl, 2-methyl-3-butenyl, 3-methyl-3-butenyl, 1,1-dimethyl-2-propenyl, 1,2-dimethyl-1-propenyl, 1,2-dimethyl-2-propenyl, 1-ethyl-1-propenyl, 1-ethyl-2-propenyl, 1-hexenyl, 2-hexenyl, 3-hexenyl, 4-hexenyl, 5-hexenyl, 1-methyl-1-pentenyl, 2-methyl-1-pentenyl, 3-methyl-1-pentenyl, 4-methyl-1-pentenyl, 1-methyl-2-pentenyl, 2-methyl-2-pentenyl, 3-methyl-2-pentenyl, 4-methyl-2-pentenyl, 1-methyl-3-pentenyl, 2-methyl-3-pentenyl, 3-methyl-3-pentenyl, 4-methyl-3-pentenyl, 1-methyl-4-pentenyl, 2-methyl-4-pentenyl, 3-methyl-4-pentenyl, 4-methyl-4-pentenyl, 1,1-dimethyl-2-butenyl, 1,1-dimethyl-3-butenyl, 1,2-dimethyl-1-butenyl, 1,2-dimethyl-2-butenyl, 1,2-dimethyl-3-butenyl, 1,3-dimethyl-1-butenyl, 1,3-dimethyl-2-butenyl, 1,3-dimethyl-3-butenyl, 2,2-dimethyl-3-butenyl, 2,3-dimethyl-1-butenyl, 2,3-dimethyl-2-butenyl, 2,3-dimethyl-3-butenyl, 3,3-dimethyl-1-butenyl, 3,3-dimethyl-2-butenyl, 1-ethyl-1-butenyl, 1-ethyl-2-butenyl, 1-ethyl-3-butenyl, 2-ethyl-1-butenyl, 2-ethyl-2-butenyl, 2-ethyl-3-butenyl, 1,1,2-trimethyl-2-propenyl, 1-ethyl-1-methyl-2-propenyl, 1-ethyl-2-methyl-1-propenyl and 1-ethyl-2-methyl-2-propenyl, ethynyl, 1-propynyl, 2-propynyl, 1-butynyl, 2-butynyl, 3-butynyl, 1-methyl-2-propynyl, 1-pentynyl, 2-pentynyl, 3-pentynyl, 4-pentynyl, 1-methyl-2-butynyl, 1-methyl-3-butynyl, 2-methyl-3-butynyl, 3-methyl-1-butynyl, 1,1-dimethyl-2-propynyl, 1-ethyl-2-propynyl, 1-hexynyl, 2-hexynyl, 3-hexynyl, 3,3-difluorocyclobut-1-yl, 3-fluorocyclobut-1-yl, 1-fluorocyclobut-1-yl, 2,2-difluorocycloprop-1-yl, 1-fluorocycloprop-1-yl, 2-fluorocycloprop-1-yl, 4-fluorocyclohexyl, 4,4-difluorocyclohexyl, methoxycarbonylmethyl, ethoxycarbonylmethyl, n-propyloxycarbonylmethyl, isopropyloxycarbonylmethyl, n-butyloxycarbonylmethyl, tert-butyloxycarbonylmethyl, methoxymethyl, ethoxymethyl, n-propyloxymethyl, isopropyloxymethyl, n-butyloxymethyl, methoxyethyl, ethoxyethyl, n-propyloxyethyl, isopropyloxyethyl, methoxy-n-propyl, methoxy-n-butyl, trifluoromethoxymethyl, difluoromethoxymethyl, 2,2-difluoroethoxymethyl, 2,2,2-trifluoroethoxymethyl, trifluoromethoxyethyl, difluoromethoxyethyl, 2,2-difluoroethoxyethyl, 2,2,2-trifluoroethoxyethyl, methoxycarbonyl, ethoxycarbonyl, n-propyloxycarbonyl, isopropyloxycarbonyl, n-butyloxycarbonyl, tert-butyloxycarbonyl, allyloxycarbonyl, benzyloxycarbonyl, methylcarbonyl, ethylcarbonyl, n-propylcarbonyl, isopropylcarbonyl, n-butylcarbonyl, tert-butylcarbonyl, phenylcarbonyl, p-chlorophenylcarbonyl, m-chlorophenylcarbonyl, o-chlorophenylcarbonyl, p-fluorophenylcarbonyl, m-fluorophenylcarbonyl, o-fluorophenylcarbonyl, p-methoxyphenylcarbonyl, m-methoxyphenylcarbonyl, o-methoxyphenylcarbonyl, p-trifluoromethylphenylcarbonyl, m-trifluoromethylphenylcarbonyl, o-trifluoromethylphenylcarbonyl, methoxy, ethoxy, n-propyloxy, isopropyloxy, benzyloxy, p-chlorophenylmethoxy, phenyloxy, p-chlorophenyloxy, m-chlorophenyloxy, o-chlorophenyloxy, p-fluorophenyloxy, m-fluorophenyloxy, o-fluorophenyloxy, p-methoxyphenyloxy, m-methoxyphenyloxy, o-methoxyphenyloxy, p-trifluoromethylphenyloxy, m-trifluoromethylphenyloxy, o-trifluoromethylphenyloxy, methylaminocarbonyl, ethylaminocarbonyl, n-propylaminocarbonyl, isopropylaminocarbonyl, cyclopropylaminocarbonyl, cyclobutylaminocarbonyl, cyclopentylaminocarbonyl, cyclohexylaminocarbonyl, cyclopropylmethylaminocarbonyl, cyclobutylmethylaminocarbonyl, cyclopentylmethylaminocarbonyl, cyclohexylmethylaminocarbonyl, dimethylaminocarbonyl, diethylaminocarbonyl, benzylmethylaminocarbonyl, methylamino, dimethylamino, ethylamino, diethylamino, n-propylamino, isopropylamino, cyclopropylamino, cyclobutylamino, cyclopentylamino, cyclohexylamino, benzylamino, cyanomethyl, cyanoethyl, 3-cyanoprop-1-yl, 2-cyanoprop-1-yl, 1-cyanoprop-1-yl, 2-cyanoprop-2-yl, 2-cyano-1,1-dimethyleth-1-yl, 1-(cyanomethyl)-1-methylprop-1-yl, hydroxycarbonyl, hydroxycarbonylmethyl, hydroxycarbonylethyl, CHO, methoxyethylthio, ethoxyethylthio, trifluoromethoxyethylthio, pentafluoroethoxyethylthio, methylthioethylthio, ethylthioethylthio, trifluoromethylthioethylthio, pentafluorothioethylthio, benzylthio, p-chlorophenylmethylthio, m-chlorophenylmethylthio, o-chlorophenylmethylthio, p-fluorophenylmethylthio, m-fluorophenylmethylthio, o-fluorophenylmethylthio, methylthio, ethylthio, n-propylthio, isopropylthio, n-butylthio, tert-butylthio, cyclobutylthio, cyclopentylthio, cyclohexylthio, phenylthio, pyrid-2-ylthio, pyrid-3-ylthio, pyrid-4-ylthio, p-chlorophenylthio, m-chlorophenylthio, o-chlorophenylthio, p-fluorophenylthio, m-fluorophenylthio, o-fluorophenylthio, p-methoxyphenylthio, m-methoxyphenylthio, o-methoxyphenylthio, p-methylphenylthio, m-methylphenylthio, o-methylphenylthio, methylsulfonyl, ethylsulfonyl, n-propylsulfonyl, 1-methylethylsulfonyl, cyclopropylsulfonyl, cyclobutylsulfonyl, cyclopentylsulfonyl, cyclohexylsulfonyl, phenylsulfonyloxy, p-chlorophenylsulfonyl, m-chlorophenylsulfonyl, o-chlorophenylsulfonyl, p-fluorophenylsulfonyl, m-fluorophenylsulfonyl, o-fluorophenylsulfonyl, p-methoxyphenylsulfonyl, m-methoxyphenylsulfonyl, o-methoxyphenylsulfonyl, p-methylphenylsulfonyl, m-methylphenylsulfonyl, o-methylphenylsulfonyl, 2-methoxyprop-2-yl, 2-ethoxyprop-2-yl, 2-n-propyloxyprop-2-yl, 2-n-butyloxyprop-2-yl, 2-benzyloxyprop-2-yl, 2-phenylethyloxyprop-2-yl, 2-trifluoromethyloxyprop-2-yl, 2-difluoromethyloxyprop-2-yl, 2,2,2-trifluoroethyloxyprop-2-yl, 2,2-difluoroethyloxyprop-2-yl, 2-(4-chlorophenylmethoxy)prop-2-yl, 2-(4-fluorophenylmethoxy)prop-2-yl, 2-(4-bromophenylmethoxy)prop-2-yl, 2-(4-trifluoromethylphenylmethoxy)prop-2-yl, 2-(4-

methylphenylmethoxy)prop-2-yl, 2-(3-chlorophenylmethoxy)prop-2-yl, 2-(3-fluorophenylmethoxy)prop-2-yl, 2-(3-bromophenylmethoxy)prop-2-yl, 2-(3-trifluoromethylphenylmethoxy)prop-2-yl, 2-(3-methylphenylmethoxy)prop-2-yl, 2-(2-chlorophenylmethoxy)prop-2-yl, 2-(2-fluorophenylmethoxy)prop-2-yl, 2-(2-bromophenylmethoxy)prop-2-yl, 2-(2-trifluoromethylphenylmethoxy)prop-2-yl, 2-(2-methylphenylmethoxy)prop-2-yl, 2-(methoxymethyl)prop-2-yl, 2-(ethoxymethyl)prop-2-yl, 2-methoxycarbonylprop-2-yl, 2-ethoxycarbonylprop-2-yl, 2-hydroxycarbonylprop-2-yl, 2-aminocarbonylprop-2-yl, aminocarbonyl, aminocarbonylmethyl, aminocarbonylethyl, cyano, hydroxymethyl, hydroxyethyl, 2-hydroxyprop-2-yl, allyloxymethyl, 2-allyloxyethyl, 2-allyloxyprop-2-yl, or

R^4 and R^7 together with the carbon atom to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, when Q represents Q-3, Q-4, Q-8, Q-9, Q-12, Q-13, Q-19 and Q-30,

R^5 represents hydrogen, formyl, methyl, ethyl, n-propyl, 1-methylethyl, n-butyl, 1-methylpropyl, 2-methylpropyl, 1,1-dimethylethyl, n-pentyl, 1-methylbutyl, 2-methylbutyl, 3-methylbutyl, 1,1-dimethylpropyl, 1,2-dimethylpropyl, 2,2-dimethylpropyl, 1-ethylpropyl, n-hexyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1,1-dimethylbutyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 3,3-dimethylbutyl, 1-ethylbutyl, 2-ethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-1-methylpropyl, 1-ethyl-2-methylpropyl, 2,2-difluoroethyl, 2,2,2-trifluoroethyl, 3,3,3-trifluoro-n-propyl, methoxymethyl, ethoxymethyl, methoxyethyl, ethoxyethyl, methoxy-n-propyl, methoxy-n-butyl, ethoxy-n-propyl, ethoxy-n-butyl, hydroxyethyl, hydroxy-n-propyl, hydroxycarbonylmethyl, hydroxycarbonylethyl, hydroxycarbonyl-n-propyl, methoxycarbonylmethyl, ethoxycarbonylmethyl, n-propyloxycarbonylmethyl, isopropyloxycarbonylmethyl, tert-butyloxycarbonylmethyl, methoxycarbonylethyl, ethoxycarbonylethyl, n-propyloxycarbonylethyl, isopropyloxycarbonylethyl, tert-butyloxycarbonylethyl, methoxycarbonyl-n-propyl, ethoxycarbonyl-n-propyl, benzyloxycarbonylmethyl, benzyloxycarbonylethyl, allyloxycarbonylmethyl, allyloxycarbonylethyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, 1-methylcycloprop-1-yl, 2-methylcycloprop-1-yl, 2,2-dimethylcycloprop-1-yl, 2,3-dimethylcyclopropyl, 1-cyanopropyl, 2-cyanopropyl, 1-methylcyclobutyl, 2-methylcyclobutyl, 3-methylcyclobutyl, 3,3-dimethylcyclobutyl, 1-cyanocyclobutyl, 2-

cyanocyclobutyl, 3-cyanocyclobutyl, 1-allylcyclopropyl, 1-vinylcyclobutyl, 1-vinylcyclopropyl, 1-ethylcyclopropyl, 1-methylcyclohexyl, 2-methylcyclohexyl, 3-methylcyclohexyl, 1-methoxycyclohexyl, 2-methoxycyclohexyl, 3-methoxycyclohexyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl, cyanomethyl, 2-cyanoeth-1-yl, 1-cyanoeth-1-yl, cyano-n-propyl, methoxycarbonyl, ethoxycarbonyl, tert-butyloxycarbonyl, benzyloxycarbonyl, n-butyloxycarbonyl, allyloxycarbonyl, methylcarbonyl, ethylcarbonyl, n-propylcarbonyl, isopropylcarbonyl, n-butylcarbonyl, tert-butylcarbonyl, phenylcarbonyl, p-chlorophenylcarbonyl, m-chlorophenylcarbonyl, o-chlorophenylcarbonyl, p-fluorophenylcarbonyl, m-fluorophenylcarbonyl, o-fluorophenylcarbonyl, p-methoxyphenylcarbonyl, m-methoxyphenylcarbonyl, o-methoxyphenylcarbonyl, p-trifluoromethylphenylcarbonyl, m-trifluoromethylphenylcarbonyl, o-trifluoromethylphenylcarbonyl, methylaminocarbonyl, ethylaminocarbonyl, isopropylaminocarbonyl, n-propylaminocarbonyl, phenylaminocarbonyl, p-Cl-phenylaminocarbonyl, m-Cl-phenylaminocarbonyl, o-Cl-phenylaminocarbonyl, cyclopropylaminocarbonyl, cyclobutylaminocarbonyl, cyclopentylaminocarbonyl, cyclohexylaminocarbonyl, cyclopropylmethylaminocarbonyl, cyclobutylmethylaminocarbonyl, cyclopentylmethylaminocarbonyl, cyclohexylmethylaminocarbonyl, dimethylaminocarbonyl, diethylaminocarbonyl, benzyl(methyl)aminocarbonyl, prop-2-en-1-yl, prop-2-yn-1-yl, 1-fluorocycloprop-1-yl, 2-fluorocycloprop-1-yl, 2,2-difluorocycloprop-1-yl, 3,3-difluorocyclobut-1-yl, phenyl, 2-fluorophenyl, 3-fluorophenyl, 4-fluorophenyl, 2,4-difluorophenyl, 2,5-difluorophenyl, 2,6-difluorophenyl, 2,3-difluorophenyl, 3,4-difluorophenyl, 3,5-difluorophenyl, 2,4,5-trifluorophenyl, 3,4,5-trifluorophenyl, 2-chlorophenyl, 3-chlorophenyl, 4-chlorophenyl, 2,4-dichlorophenyl, 2,5-dichlorophenyl, 2,6-dichlorophenyl, 2,3-dichlorophenyl, 3,4-dichlorophenyl, 3,5-dichlorophenyl, 2,4,5-trichlorophenyl, 3,4,5-trichlorophenyl, 2,4,6-trichlorophenyl, 2-bromophenyl, 3-bromophenyl, 4-bromophenyl, 2-iodophenyl, 3-iodophenyl, 4-iodophenyl, 2-bromo-4-fluorophenyl, 2-bromo-4-chlorophenyl, 3-bromo-4-fluorophenyl, 3-bromo-4-chlorophenyl, 3-bromo-5-fluorophenyl, 3-bromo-5-chlorophenyl, 2-fluoro-4-bromophenyl, 2-chloro-4-bromophenyl, 3-fluoro-4-bromophenyl, 3-chloro-4-bromophenyl, 2-chloro-4-fluorophenyl, 3-chloro-4-fluorophenyl, 2-fluoro-3-chlorophenyl, 2-fluoro-4-chlorophenyl, 2-fluoro-5-chlorophenyl, 3-fluoro-4-chlorophenyl, 3-fluoro-5-chlorophenyl, 2-fluoro-6-chlorophenyl, 2-methylphenyl, 3-methylphenyl, 4-methylphenyl, 2,4-dimethylphenyl, 2,5-dimethylphenyl, 2,6-dimethylphenyl, 2,3-dimethylphenyl, 3,4-dimethylphenyl, 3,5-dimethylphenyl, 2,4,5-trimethylphenyl, 3,4,5-trimethylphenyl, 2,4,6-trimethylphenyl, 2-methoxyphenyl, 3-methoxyphenyl, 4-methoxyphenyl, 2,4-dimethoxyphenyl, 2,5-

dimethoxyphenyl, 2,6-dimethoxyphenyl, 2,3-dimethoxyphenyl, 3,4-dimethoxyphenyl, 3,5-dimethoxyphenyl, 2,4,5-trimethoxyphenyl, 3,4,5-trimethoxyphenyl, 2,4,6-trimethoxyphenyl, 2-trifluoromethoxyphenyl, 3-trifluoromethoxyphenyl, 4-trifluoromethoxyphenyl, 2-difluoromethoxyphenyl, 3-difluoromethoxyphenyl, 4-difluoromethoxyphenyl, 2-trifluoromethylphenyl, 3-trifluoromethylphenyl, 4-trifluoromethylphenyl, 2-difluoromethylphenyl, 3-difluoromethylphenyl, 4-difluoromethylphenyl, 3,5-bis(trifluoromethyl)phenyl, 3-trifluoromethyl-5-fluorophenyl, 3-trifluoromethyl-5-chlorophenyl, 3-methyl-5-fluorophenyl, 3-methyl-5-chlorophenyl, 3-methoxy-5-fluorophenyl, 3-methoxy-5-chlorophenyl, 3-trifluoromethoxy-5-chlorophenyl, 2-ethoxyphenyl, 3-ethoxyphenyl, 4-ethoxyphenyl, 2-methylthiophenyl, 3-methylthiophenyl, 4-methylthiophenyl, 2-trifluoromethylthiophenyl, 3-trifluoromethylthiophenyl, 4-trifluoromethylthiophenyl, methoxymethyl, 2-ethylphenyl, 3-ethylphenyl, 4-ethylphenyl, 2-methoxycarbonylphenyl, 3-methoxycarbonylphenyl, 4-methoxycarbonylphenyl, 2-ethoxycarbonylphenyl, 3-ethoxycarbonylphenyl, 4-ethoxycarbonylphenyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyrazin-2-yl, pyridazin-3-yl, pyridazin-4-yl, pyrimidin-2-yl, pyrimidin-5-yl, pyrimidin-4-yl, pyridazin-3-ylmethyl, pyridazin-4-ylmethyl, pyrimidin-2-ylmethyl, pyrimidin-5-ylmethyl, pyrimidin-4-ylmethyl, pyrazin-2-ylmethyl, 3-chloropyrazin-2-yl, 3-bromopyrazin-2-yl, 3-methoxypyrazin-2-yl, 3-ethoxypyrazin-2-yl, 3-trifluoromethylpyrazin-2-yl, 3-cyanopyrazin-2-yl, naphth-2-yl, naphth-1-yl, quinolin-4-yl, quinolin-6-yl, quinolin-8-yl, quinolin-2-yl, quinoxalin-2-yl, 2-naphthylmethyl, 1-naphthylmethyl, quinolin-4-ylmethyl, quinolin-6-ylmethyl, quinolin-8-ylmethyl, quinolin-2-ylmethyl, quinoxalin-2-ylmethyl, pyrazin-2-ylmethyl, 4-chloropyridin-2-yl, 3-chloropyridin-4-yl, 2-chloropyridin-3-yl, 2-chloropyridin-4-yl, 2-chloropyridin-5-yl, 2,6-dichloropyridin-4-yl, 3-chloropyridin-5-yl, 3,5-dichloropyridin-2-yl, 3-chloro-5-trifluoromethylpyridin-2-yl, (4-chloropyridin-2-yl)methyl, (3-chloropyridin-4-yl)methyl, (2-chloropyridin-3-yl)methyl, (2-chloropyridin-4-yl)methyl, (2-chloropyridin-5-yl)methyl, (2,6-dichloropyridin-4-yl)methyl, (3-chloropyridin-5-yl)methyl, (3,5-dichloropyridin-2-yl)methyl, thiophen-2-yl, thiophen-3-yl, 5-methylthiophen-2-yl, 5-ethylthiophen-2-yl, 5-chlorothiophen-2-yl, 5-bromothiophen-2-yl, 4-methylthiophen-2-yl, 3-methylthiophen-2-yl, 5-fluorothiophen-3-yl, 3,5-dimethylthiophen-2-yl, 3-ethylthiophen-2-yl, 4,5-dimethylthiophen-2-yl, 3,4-dimethylthiophen-2-yl, 4-chlorothiophen-2-yl, furan-2-yl, 5-methylfuran-2-yl, 5-ethylfuran-2-yl, 5-methoxycarbonylfuran-2-yl, 5-chlorofuran-2-yl, 5-bromofuran-2-yl, thiophan-2-yl, thiophan-3-yl, sulfolan-2-yl, sulfolan-3-yl, benzyl, (4-fluorophenyl)methyl, (3-fluorophenyl)methyl, (2-fluorophenyl)methyl, (2,4-difluorophenyl)methyl, (3,5-difluorophenyl)methyl, (2,5-difluorophenyl)methyl, (2,6-difluorophenyl)methyl, (2,4,5-trifluorophenyl)methyl, (2,4,6-trifluorophenyl)methyl, (4-

chlorophenyl)methyl, (3-chlorophenyl)methyl, (2-chlorophenyl)methyl, (2,4-dichlorophenyl)methyl, (3,5-dichlorophenyl)methyl, (2,5-dichlorophenyl)methyl, (2,6-dichlorophenyl)methyl, (2,4,5-trichlorophenyl)methyl, (2,4,6-trichlorophenyl)methyl, (4-bromophenyl)methyl, (3-bromophenyl)methyl, (2-bromophenyl)methyl, (4-iodophenyl)methyl, (3-iodophenyl)methyl, (2-iodophenyl)methyl, (3-chloro-5-trifluoromethylpyridin-2-yl)methyl, (2-bromo-4-fluorophenyl)methyl, (2-bromo-4-chlorophenyl)methyl, (3-bromo-4-fluorophenyl)methyl, (3-bromo-4-chlorophenyl)methyl, (3-bromo-5-fluorophenyl)methyl, (3-bromo-5-chlorophenyl)methyl, (2-fluoro-4-bromophenyl)methyl, (2-chloro-4-bromophenyl)methyl, (3-fluoro-4-bromophenyl)methyl, (3-chloro-4-bromophenyl)methyl, (2-chloro-4-fluorophenyl)methyl, (3-chloro-4-fluorophenyl)methyl, (2-fluoro-3-chlorophenyl)methyl, (2-fluoro-4-chlorophenyl)methyl, (2-fluoro-5-chlorophenyl)methyl, (3-fluoro-4-chlorophenyl)methyl, (3-fluoro-5-chlorophenyl)methyl, (2-fluoro-6-chlorophenyl)methyl, phenylethyl, 3-trifluoromethyl-4-chlorophenyl, 3-chloro-4-trifluoromethylphenyl, 2-chloro-4-trifluoromethylphenyl, 3,5-difluoropyridin-2-yl, (3,6-dichloropyridin-2-yl)methyl, (4-trifluoromethylphenyl)methyl, (3-trifluoromethylphenyl)methyl, (2-trifluoromethylphenyl)methyl, (4-trifluoromethoxyphenyl)methyl, (3-trifluoromethoxyphenyl)methyl, (2-trifluoromethoxyphenyl)methyl, (4-methoxyphenyl)methyl, (3-methoxyphenyl)methyl, (2-methoxyphenyl)methyl, (4-methylphenyl)methyl, (3-methylphenyl)methyl, (2-methylphenyl)methyl, (4-cyanophenyl)methyl, (3-cyanophenyl)methyl, (2-cyanophenyl)methyl, (2,4-diethylphenyl)methyl, (3,5-diethylphenyl)methyl, (3,4-dimethylphenyl)methyl, (3,5-dimethoxyphenyl)methyl, 1-phenyleth-1-yl, methylsulfonyl, ethylsulfonyl, n-propylsulfonyl, 1-methylethylsulfonyl, cyclopropylsulfonyl, cyclobutylsulfonyl, cyclopentylsulfonyl, cyclohexylsulfonyl, phenylsulfonyloxy, p-chlorophenylsulfonyl, m-chlorophenylsulfonyl, o-chlorophenylsulfonyl, p-fluorophenylsulfonyl, m-fluorophenylsulfonyl, o-fluorophenylsulfonyl, p-methoxyphenylsulfonyl, m-methoxyphenylsulfonyl, o-methoxyphenylsulfonyl, p-methylphenylsulfonyl, m-methylphenylsulfonyl, o-methylphenylsulfonyl, phenylcarbonylmethyl, p-chlorophenylcarbonylmethyl, m-chlorophenylcarbonylmethyl, o-chlorophenylcarbonylmethyl, p-fluorophenylcarbonylmethyl, m-fluorophenylcarbonylmethyl, o-fluorophenylcarbonylmethyl, methylcarbonylmethyl, ethylcarbonylmethyl, n-propylcarbonylmethyl, isopropylcarbonylmethyl, n-butylcarbonylmethyl, tert-butylcarbonylmethyl, or

R^4 and R^5 together with the nitrogen atom or carbon atom to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, when Q represents Q-13, Q-14, Q-15, Q-25 and Q-26,

R^6 represents hydrogen, methyl, ethyl,

R^8 represents hydrogen, halogen, cyano, nitro, hydrothio, hydroxy, methylamino, ethylamino, isopropylamino, n-propylamino, dimethylamino, diethylamino, cyclopropylamino, cyclobutylamino, cyclopentylamino, cyclohexylamino, methoxycarbonylmethylamino, methoxycarbonylethylamino, ethoxycarbonylmethylamino, ethoxycarbonylethylamino, methoxycarbonylamino, ethoxycarbonylamino, tert-butyloxycarbonylamino, phenylamino, N-piperidinyl, N-pyrrolidinyl, N-morpholinyl, methylaminocarbonylamino, ethylaminocarbonylamino, n-propylaminocarbonylamino, isopropylaminocarbonylamino, benzylaminocarbonylamino, phenylaminocarbonylamino, p-Cl-phenylaminocarbonylamino, m-Cl-phenylaminocarbonylamino, o-Cl-phenylaminocarbonylamino, cyclopropylaminocarbonylamino, cyclobutylaminocarbonylamino, cyclopentylaminocarbonylamino, cyclohexylaminocarbonylamino, dimethylaminocarbonylamino, methoxy, ethoxy, n-propyloxy, isopropyloxy, n-butyloxy, tert-butyloxy, methoxycarbonyloxy, ethoxycarbonyloxy, tert-butyloxycarbonyloxy, methylaminocarbonyloxy, ethylaminocarbonyloxy, n-propylaminocarbonyloxy, isopropylaminocarbonyloxy, benzylaminocarbonyloxy, phenylaminocarbonyloxy, cyclopropylaminocarbonyloxy, cyclobutylaminocarbonyloxy, cyclopentylaminocarbonyloxy, cyclohexylaminocarbonyloxy, dimethylaminocarbonyloxy, phenyloxy, p-Cl-phenyloxy, o-Cl-phenyloxy, m-Cl-phenyloxy, m-trifluoromethylphenyloxy, p-trifluoromethylphenyloxy, trifluoromethyloxy, difluoromethyloxy, 2,2-difluoroethyloxy, 2,2,2-trifluoroethyloxy, methylthio, ethylthio, n-propylthio, isopropylthio, phenylthio, p-Cl-phenylthio, m-Cl-phenylthio, o-Cl-phenylthio, pyridin-2-ylthio, pyridin-3-ylthio, benzylthio, trifluoromethylthio, pentafluoroethylthio, cyclopropylthio, cyclobutylthio, cyclopentylthio, cyclohexylthio, methylsulfinyl, ethylsulfinyl, n-propylsulfinyl, isopropylsulfinyl, n-butylsulfinyl, tert-butylsulfinyl, phenylsulfinyl, benzylsulfinyl, pyridin-2-ylsulfinyl, methylsulfonyl, ethylsulfonyl, n-propylsulfonyl, isopropylsulfonyl, n-butylsulfonyl, tert-butylsulfonyl, phenylsulfonyl, benzylsulfonyl, pyridin-2-ylsulfonyl, methyl, ethyl, n-propyl, 1-methylethyl, n-butyl, 1-methylpropyl, 2-methylpropyl, 1,1-

dimethylethyl, n-pentyl, 1-methylbutyl, 2-methylbutyl, 3-methylbutyl, 1,1-dimethylpropyl, 1,2-dimethylpropyl, 2,2-dimethylpropyl, 1-ethylpropyl, n-hexyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1,1-dimethylbutyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 3,3-dimethylbutyl, 1-ethylbutyl, 2-ethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-1-methylpropyl, 1-ethyl-2-methylpropyl, thiocyanato, isothiocyanato, formyl, ethenyl, 1-propenyl, 2-propenyl, 1-methylethenyl, 1-butenyl, 2-butenyl, 3-butenyl, 1-methyl-1-propenyl, 2-methyl-1-propenyl, 1-methyl-2-propenyl, 2-methyl-2-propenyl, 1-pentenyl, 2-pentenyl, 3-pentenyl, 4-pentenyl, 1-methyl-1-butenyl, 2-methyl-1-butenyl, 3-methyl-1-butenyl, 1-methyl-2-butenyl, 2-methyl-2-butenyl, 3-methyl-2-butenyl, 1-methyl-3-butenyl, 2-methyl-3-butenyl, 3-methyl-3-butenyl, 1,1-dimethyl-2-propenyl, 1,2-dimethyl-1-propenyl, 1,2-dimethyl-2-propenyl, 1-ethyl-1-propenyl, 1-ethyl-2-propenyl, ethynyl, 1-propynyl, 2-propynyl, 1-butynyl, 2-butynyl, 3-butynyl, 1-methyl-2-propynyl, 1-pentynyl, 2-pentynyl, 3-pentynyl, 4-pentynyl, 1-methyl-2-butynyl, 1-methyl-3-butynyl, 2-methyl-3-butynyl, 3-methyl-1-butynyl, 1,1-dimethyl-2-propynyl, 1-ethyl-2-propynyl, 1-hexynyl, 2-hexynyl, 3-hexynyl, 3,3-difluorocyclobut-1-yl, 3-fluorocyclobut-1-yl, 1-fluorocyclobut-1-yl, 2,2-difluorocycloprop-1-yl, 1-fluorocycloprop-1-yl, 2-fluorocycloprop-1-yl, 4-fluorocyclohexyl, 4,4-difluorocyclohexyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, 1-methylcycloprop-1-yl, 2-methylcycloprop-1-yl, 2,2-dimethylcycloprop-1-yl, 2,3-dimethylcyclopropyl, 1-cyanopropyl, 2-cyanopropyl, 1-methylcyclobutyl, 2-methylcyclobutyl, 3-methylcyclobutyl, 3,3-dimethylcyclobutyl, 1-cyanocyclobutyl, 2-cyanocyclobutyl, 3-cyanocyclobutyl, 1-allylcyclopropyl, 1-vinylcyclobutyl, 1-vinylcyclopropyl, 1-ethylcyclopropyl, 1-methylcyclohexyl, 2-methylcyclohexyl, 3-methylcyclohexyl, 1-methoxycyclohexyl, 2-methoxycyclohexyl, 3-methoxycyclohexyl, spiro[2.2]pent-1-yl, spiro[2.3]hex-1-yl, spiro[2.3]hex-4-yl, 3-spiro[2.3]hex-5-yl, spiro[3.3]hept-1-yl, spiro[3.3]hept-2-yl, bicyclo[1.1.0]butan-1-yl, bicyclo[1.1.0]butan-2-yl, bicyclo[2.1.0]pentan-1-yl, bicyclo[1.1.1]pentan-1-yl, bicyclo[2.1.0]pentan-2-yl, bicyclo[2.1.0]pentan-5-yl, bicyclo[2.1.1]hexyl, bicyclo[2.2.1]hept-2-yl, bicyclo[2.2.2]octan-2-yl, bicyclo[3.2.1]octan-2-yl, bicyclo[3.2.2]nonan-2-yl, adamantan-1-yl, adamantan-2-yl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl, trifluoromethyl, pentafluoroethyl, 1,1,2,2-tetrafluoroethyl, heptafluoro-n-propyl, heptafluoroisopropyl, nonafluorobutyl, chlorodifluoromethyl, bromodifluoromethyl, dichlorofluoromethyl, iododifluoromethyl, bromofluoromethyl, 1-fluoroethyl, 2-fluoroethyl, fluoromethyl, difluoromethyl, 2,2-difluoroethyl, 2,2,2-trifluoroethyl, difluoro-tert-butyl, chloromethyl, bromomethyl, fluoromethyl, 3,3,3-trifluoro-n-propyl, methoxycarbonyl, ethoxycarbonyl, isopropyloxycarbonyl, n-propyloxycarbonyl, n-butyloxycarbonyl, tert-butyloxycarbonyl, benzyloxycarbonyl, allyloxycarbonyl, methylaminocarbonyl, ethylaminocarbonyl, n-propylaminocarbonyl, isopropylaminocarbonyl, benzylaminocarbonyl, phenylaminocarbonyl, cyclopropylaminocarbonyl, cyclobutylaminocarbonyl, cyclopentylaminocarbonyl, cyclohexylaminocarbonyl, dimethylaminocarbonyl, diethylaminocarbonyl, allylaminocarbonyl, pentafluorothio, methoxydifluoromethyl, ethoxydifluoromethyl, n-propyloxydifluoromethyl, trifluoromethoxymethyl, trifluoromethoxyethyl, trifluoromethoxy-n-propyl, methoxymethyl, ethoxymethyl, n-propyloxymethyl, ethoxyethyl, methoxyethyl, n-propyloxyethyl, methoxy-n-propyl, ethoxy-n-propyl, 1-methoxyeth-1-yl, 1-methoxyprop-1-yl, 1-ethoxyeth-1-yl, 2-methoxyprop-2-yl, 2-ethoxyprop-2-yl, methylthiomethyl, methylthioethyl, methylthio-n-propyl, ethylthiomethyl, trifluoromethylthiomethyl, pentafluoroethylthiomethyl, trifluoromethylthioethyl, trifluoromethylthio-n-propyl, methylcarbonyl, ethylcarbonyl, isopropylcarbonyl, n-butylcarbonyl, tert-butylcarbonyl, phenylcarbonyl, o-Cl-phenylcarbonyl, m-Cl-phenylcarbonyl, p-Cl-phenylcarbonyl, methoxycarbonylmethyl, ethoxycarbonylmethyl, methoxycarbonylethyl, ethoxycarbonylethyl, n-propyloxycarbonylmethyl, tert-butyloxycarbonylmethyl, tert-butyloxycarbonylethyl, hydroxycarbonylmethyl, hydroxycarbonylethyl, hydroxycarbonyl, methylaminocarbonylmethyl, ethylaminocarbonylmethyl, n-propylaminocarbonylmethyl, isopropylaminocarbonylmethyl, benzylaminocarbonylmethyl, phenylaminocarbonylmethyl, cyclopropylaminocarbonylmethyl, cyclobutylaminocarbonylmethyl, cyclopentylaminocarbonylmethyl, cyclohexylaminocarbonylmethyl, dimethylaminocarbonylmethyl, diethylaminocarbonylmethyl, allylaminocarbonylmethyl, methylaminomethyl, dimethylaminomethyl, diethylaminomethyl, ethylaminomethyl, isopropylaminomethyl, n-propylaminomethyl, n-butylaminomethyl, methylaminoethyl, dimethylaminoethyl, diethylaminoethyl, N-pyrrolidinylmethyl, N-piperidinylmethyl, hydroxyimino, methoxyimino, ethoxyimino, n-propyloxyimino, n-butyloxyimino, isopropyloxyimino, tert-butyloxyimino, cyclopropylmethoxyimino, cyclobutylmethoxyimino, cyclopentylmethoxyimino, cyclohexylmethoxyimino, benzyloxyimino, phenyloxyimino, allyloxyimino, p-Cl-phenylmethyloxyimino, phenylethynyl, p-Cl-phenylethynyl, m-Cl-phenylethynyl, o-Cl-phenylethynyl, p-F-phenylethynyl, m-F-phenylethynyl, o-F-phenylethynyl, pyridin-2-ylethynyl, pyridin-3-ylethynyl, thiophen-2-ylethynyl, trimethylsilylethynyl, triethylsilylethynyl, tri(isopropyl)silylethynyl, cyclopropylethynyl, cyclobutylethynyl, cyclopentylethynyl, cyclohexylethynyl, phenyl, benzyl, p-Cl-phenyl, m-Cl-phenyl, o-Cl-phenyl, p-F-phenyl, m-F-phenyl, o-F-phenyl, p-trifluoromethylphenyl, m-trifluoromethylphenyl, o-trifluoromethylphenyl, p-methylphenyl, m-methylphenyl, o-methylphenyl, p-methoxyphenyl, m-methoxyphenyl, o-methoxyphenyl, p-Cl-phenylmethyl, m-Cl-phenylmethyl, o-Cl-phenylmethyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, thiophen-2-yl, thiophen-3-yl, furan-2-yl, furan-3-yl, pyrimidin-2-yl, pyrazin-2-yl, methoxymethoxymethyl, ethoxyethoxymethyl, methoxyethoxymethyl, methylaminosulfonylamino, dimethylaminosulfonylamino, ethylaminosulfonylamino, diethylaminosulfonylamino, isopropylaminosulfonylamino, cyclopropylaminosulfonylamino, cyclobutylaminosulfonylamino, cyclopentylaminosulfonylamino, cyclohexylaminosulfonylamino, diazo, phenyldiazo, trimethylsilyl, tri(isopropyl)silyl, triethylsilyl, dimethyl(phenyl)silyl, diphenyl(methyl)silyl,

R^{14} and R^{15} independently of one another represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, fluorine, or

R^{9} and R^{15} together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

and

W represents oxygen.

5. The compound of the general formula (I) as claimed in claim 1 and/or the salts thereof, characterized in that

R^{1} represents hydrogen, methyl, ethyl, n-propyl, 1-methylethyl, n-butyl, 1-methylprop-1-yl, 2-methylprop-1-yl, 1,1-dimethyleth-1-yl, n-pentyl, 1-methylbut-1-yl, 2-methylbut-1-yl, 3-methylbut-1-yl, 1,1-dimethylprop-1-yl, 1,2-dimethylprop-1-yl, 2,2-dimethylprop-1-yl, 1-ethylprop-1-yl, n-hexyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1,1-dimethylbutyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 3,3-dimethylbutyl, 1-ethylbutyl, 2-ethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-1-methylpropyl, 1-ethyl-2-methylpropyl, trifluoromethyl, pentafluoroethyl, 1,1,2,2-tetrafluoroethyl, heptafluoro-n-propyl, heptafluoroisopropyl, nonafluorobutyl, chlorodifluoromethyl, bromodifluoromethyl, dichlorofluoromethyl, iododifluoromethyl, bromofluoromethyl, 1-fluoroethyl, 2-fluoroethyl, fluoromethyl, difluoromethyl, 2,2-difluoroethyl, 2,2,2-trifluoroethyl, 3,3,3-trifluoroprop-1-yl, 3,3,3-trifluoroprop-2-yl, difluoro-tert-butyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, adamantan-1-yl, adamantan-2-yl, 1-methylcyclopropyl, 2-methylcyclopropyl, 2,2-dimethylcyclopropyl, 2,3-dimethylcyclopropyl, 1,1'-bi(cyclopropyl)-1-yl, 1,1'-bi(cyclopropyl)-2-yl, 2'-methyl-1,1'-bi(cyclopropyl)-2-yl, 1-cyanocyclopropyl, 2-cyanocyclopropyl, 1-methylcyclobutyl, 2-methylcyclobutyl, 3-methylcyclobutyl, 1-cyanocyclobutyl, 2-cyanocyclobutyl, 3-cyanocyclobutyl, 1-allylcyclopropyl, 1-vinylcyclobutyl, 1-vinylcyclopropyl, 1-ethylcyclopropyl, 1-methylcyclohexyl, 2-methylcyclohexyl, 3-methylcyclohexyl, 1-methoxycyclohexyl, 2-methoxycyclohexyl, 3-methoxycyclohexyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl, phenyl, p-F-phenyl, m-F-phenyl, o-F-phenyl, p-Cl-phenyl, m-Cl-phenyl, o-Cl-phenyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyrimidin-2-yl, pyrimidin-4-yl, thiophen-2-yl, thiophen-3-yl, furan-2-yl, furan-3-yl, tetrahydrofuran-2-yl, tetrahydrofuran-3-yl, benzyl, p-Cl-benzyl, p-F-benzyl, p-methoxybenzyl, p-methylbenzyl, p-trifluoromethylbenzyl, p-nitrobenzyl, m-Cl-benzyl, m-F-benzyl, m-methoxybenzyl, m-methylbenzyl, o-Cl-benzyl, o-F-benzyl, o-methoxybenzyl, o-methylbenzyl, 1-phenyleth-1-yl, 2-phenyleth-1-yl, 1-(o-chlorophenyl)eth-1-yl, 1-(o-fluorophenyl)eth-1-yl, 1-(o-methylphenyl)eth-1-yl, 1-(o-bromophenyl)eth-1-yl, 1-(o-iodophenyl)eth-1-yl, pyridin-2-ylmethyl, pyridin-3-ylmethyl, pyridin-4-ylmethyl, pyrimidin-2-ylmethyl, pyrimidin-4-ylmethyl, tetrahydrofuran-2-ylmethyl, o-cyanophenylmethyl, m-cyanophenylmethyl, p-cyanophenylmethyl, cyanomethyl, cyanoethyl, methoxycarbonyl, ethoxycarbonyl, n-propyloxycarbonyl, isopropyloxycarbonyl, tert-butyloxycarbonyl, benzyloxycarbonyl, allyloxycarbonyl, methylcarbonyl, ethylcarbonyl, n-propylcarbonyl, isopropylcarbonyl, n-butylcarbonyl, 1-methylprop-1-ylcarbonyl, 2-methylprop-1-ylcarbonyl, 1,1-dimethyleth-1-ylcarbonyl, phenylcarbonyl, methylaminocarbonyl, dimethylaminocarbonyl, ethylaminocarbonyl, n-propylaminocarbonyl, isopropylaminocarbonyl, n-butylaminocarbonyl, tert-butylaminocarbonyl, benzylaminocarbonyl, methoxycarbonylmethyl, ethoxycarbonylmethyl, tert-butyloxycarbonylmethyl, benzyloxycarbonylmethyl, methoxycarbonylethyl, ethoxycarbonylethyl, tert-butyloxycarbonylmethyl, benzyloxycarbonylmethyl, methylcarbonyloxymethyl, ethylcarbonyloxymethyl, n-propylcarbonyloxymethyl, 1-methylethylcarbonyloxymethyl, 1,1-dimethylethylcarbonyloxymethyl, hydroxycarbonylmethyl, hydroxycarbonylethyl, hydroxycarbonyl-n-propyl, methoxy, ethoxy, n-propyloxy, isopropyloxy, methoxymethyl, ethoxymethyl, n-propyloxymethyl, isopropyloxymethyl, n-butyloxymethyl, methoxyethyl, ethoxyethyl, n-propyloxyethyl, isopropyloxyethyl, methoxy-n-propyl, ethoxy-n-propyl, methoxy-n-butyl, amino, dimethylamino, methyl(ethyl)amino, diethylamino, cyanomethyl, cyanoethyl, prop-2-yn-1-yl,

R^2 and R^9 independently of one another represent hydrogen, hydroxy, fluorine, methyl, ethyl, n-propyl, isopropyl, n-butyl, 1-methylprop-1-yl, 2-methylprop-1-yl, 1,1-dimethyleth-1-yl, trifluoromethyl, difluoromethyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl, p-F-phenyl, m-F-phenyl, o-F-phenyl, p-Cl-phenyl, m-Cl-phenyl, o-Cl-phenyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyrimidin-2-yl, pyrimidin-4-yl, thiophen-2-yl, thiophen-3-yl, furan-2-yl, furan-3-yl, methoxymethyl, ethoxymethyl, methoxyethyl, ethoxyethyl, methoxy, ethoxy, n-propyloxy, isopropyloxy, trifluoromethoxy, difluoromethoxy, methylthio, ethylthio, trifluoromethylthio, dimethylamino, methylamino, diethylamino, methyl(ethyl)amino, cyano, or

R^1 and R^2 together with the nitrogen atom or carbon atom to which they are respectively attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, or

R^2 and R^9 together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

R^3 represents hydroxy, hydrothio, fluorine, chlorine, bromine, iodine, methoxy, ethoxy, n-propyloxy, 1-methylethoxy, n-butyloxy, 1-methylpropyloxy, 2-methylpropyloxy, 1,1-dimethylethoxy, n-pentyloxy, 1-methylbutyloxy, 2-methylbutyloxy, 3-methylbutyloxy, 1,1-dimethylpropyloxy, 1,2-dimethylpropyloxy, 2,2-dimethylpropyloxy, 1-ethylpropyloxy, n-hexyloxy, 1-methylpentyloxy, 2-methylpentyloxy, 3-methylpentyloxy, 4-methylpentyloxy, 1,1-dimethylbutyloxy, 1,2-dimethylbutyloxy, 1,3-dimethylbutyloxy, 2,2-dimethylbutyloxy, 2,3-dimethylbutyloxy, 3,3-dimethylbutyloxy, 1-ethylbutyloxy, 2-ethylbutyloxy, 1,1,2-trimethylpropyloxy, 1,2,2-trimethylpropyloxy, 1-ethyl-1-methylpropyloxy, 1-ethyl-2-methylpropyloxy, cyclopropylmethoxy, cyclobutylmethoxy, cyclopentylmethoxy, cyclohexylmethoxy, benzyloxy, p-chlorophenylmethoxy, m-chlorophenylmethoxy, o-chlorophenylmethoxy, p-methoxyphenylmethoxy, p-nitrophenylmethoxy, methoxymethoxy, methoxyethoxy, methoxy-n-propyloxy, methoxy-n-butyloxy, ethoxymethoxy, ethoxyethoxy, ethoxy-n-propyloxy, ethoxy-n-butyloxy, n-propyloxymethoxy, isopropyloxymethoxy, methylcarbonyloxy, ethylcarbonyloxy, n-propylcarbonyloxy, 1-methylethylcarbonyloxy, n-butylcarbonyloxy, 1-methylpropylcarbonyloxy, 2-methylpropylcarbonyloxy, 1,1-dimethylethylcarbonyloxy, n-pentylcarbonyloxy, 1-methylbutylcarbonyloxy, 2-methylbutylcarbonyloxy, 3-methylbutylcarbonyloxy, 1,1-dimethylpropylcarbonyloxy, 1,2-dimethylpropylcarbonyloxy, 2,2-dimethylpropylcarbonyloxy, 1-ethylpropylcarbonyloxy, n-hexylcarbonyloxy, 1-methylpentylcarbonyloxy, 2-methylpentylcarbonyloxy, 3-methylpentylcarbonyloxy, 4-methylpentylcarbonyloxy, 1,1-dimethylbutylcarbonyloxy, 1,2-dimethylbutylcarbonyloxy, 1,3-dimethylbutylcarbonyloxy, 2,2-dimethylbutylcarbonyloxy, 2,3-dimethylbutylcarbonyloxy, 3,3-dimethylbutylcarbonyloxy, 1-ethylbutylcarbonyloxy, 2-ethylbutylcarbonyloxy, 1,1,2-trimethylpropylcarbonyloxy, 1,2,2-trimethylpropylcarbonyloxy, 1-ethyl-1-methylpropylcarbonyloxy, 1-ethyl-2-methylpropylcarbonyloxy, phenylcarbonyloxy, p-chlorophenylcarbonyloxy, m-chlorophenylcarbonyloxy, o-chlorophenylcarbonyloxy, p-fluorophenylcarbonyloxy, m-fluorophenylcarbonyloxy, o-fluorophenylcarbonyloxy, benzylcarbonyloxy, thiophen-2-ylcarbonyloxy, furan-2-ylcarbonyloxy, cyclopropylcarbonyloxy, cyclobutylcarbonyloxy, cyclopentylcarbonyloxy, cyclohexylcarbonyloxy, 1-fluorocycloprop-1-ylcarbonyloxy, 1-chlorocycloprop-1-ylcarbonyloxy, 1-cyanocycloprop-1-ylcarbonyloxy, 1-methylcycloprop-1-ylcarbonyloxy, 1-trifluoromethylcycloprop-1-ylcarbonyloxy, adamantylcarbonyloxy, trifluoromethylcarbonyloxy, difluoromethylcarbonyloxy, methoxycarbonyloxy, ethoxycarbonyloxy, n-propyloxycarbonyloxy, isopropyloxycarbonyloxy, n-butyloxycarbonyloxy, 1,1-dimethylethyloxycarbonyloxy, 2,2-dimethylpropyloxycarbonyloxy, benzyloxycarbonyloxy, allyloxycarbonyloxy, cyclopropyloxycarbonyloxy, cyclobutyloxycarbonyloxy, cyclopentyloxycarbonyloxy, cyclohexyloxycarbonyloxy, cyclopropylmethyloxycarbonyloxy, cyclobutylmethyloxycarbonyloxy, cyclopentylmethyloxycarbonyloxy, cyclohexylmethyloxycarbonyloxy, 3,3,3-trifluoroethyloxycarbonyloxy, 2,2-difluoroethyloxycarbonyloxy, pyridin-2-ylcarbonyloxy, pyridin-3-ylcarbonyloxy, pyridin-4-ylcarbonyloxy, 4-trifluoromethylpyridin-3-ylcarbonyloxy, allylcarbonyloxy, methylsulfonyloxy, ethylsulfonyloxy, n-propylsulfonyloxy, 1-methylethylsulfonyloxy, cyclopropylsulfonyloxy, cyclobutylsulfonyloxy, cyclopentylsulfonyloxy, cyclohexylsulfonyloxy, phenylsulfonyloxy, p-chlorophenylsulfonyloxy, m-chlorophenylsulfonyloxy, o-chlorophenylsulfonyloxy, p-fluorophenylsulfonyloxy, m-fluorophenylsulfonyloxy, o-fluorophenylsulfonyloxy, p-methoxyphenylsulfonyloxy, m-methoxyphenylsulfonyloxy, o-methoxyphenylsulfonyloxy, p-methylphenylsulfonyloxy, m-methylphenylsulfonyloxy, o-methylphenylsulfonyloxy,

R^6 represents hydrogen,

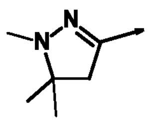
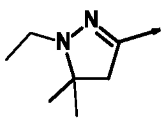
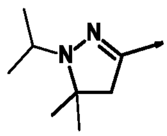
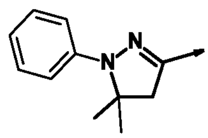
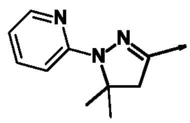
R^{14} and R^{15} independently of one another represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, fluorine, or

R^9 and R^{15} together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

W represents oxygen

and

Q represents one of the moieties Q-1.1 to Q-30.5 specified below, where the arrow represents a bond of the respective Q group to the nitrogen of the tetrahydropyrimidinone in the general formula (I),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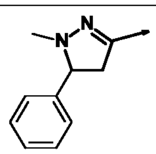
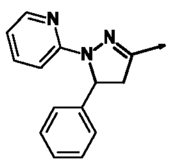
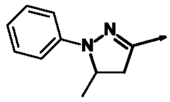
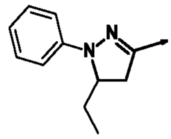
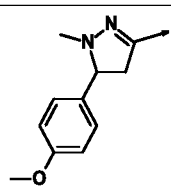
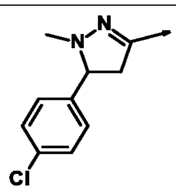
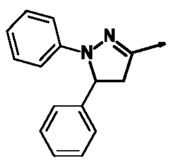
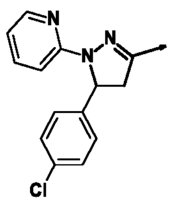
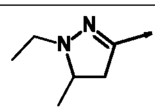
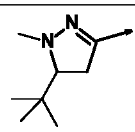
				
Q-1.6	Q-1.7	Q-1.8	Q-1.9	Q-1.10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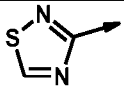	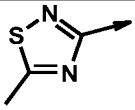	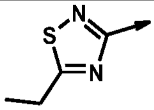	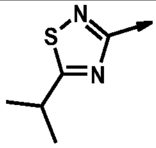	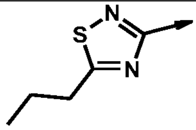
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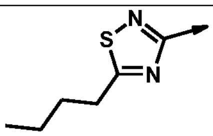	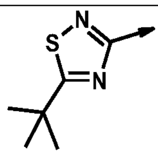	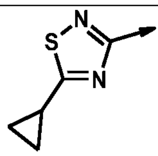	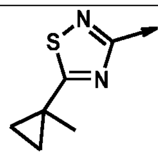	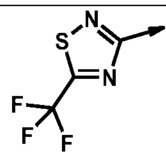
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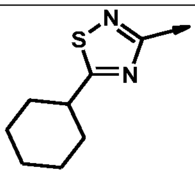	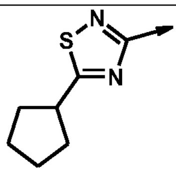	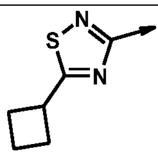	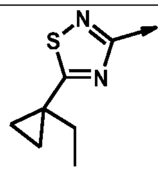	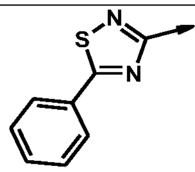
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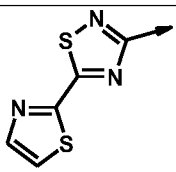	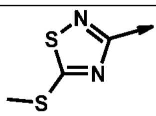	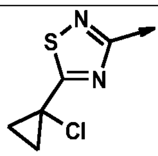	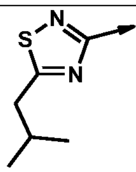	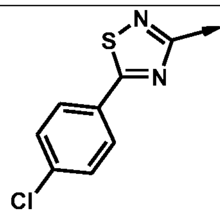
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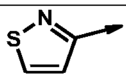	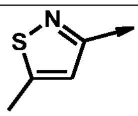	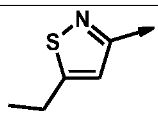	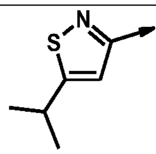	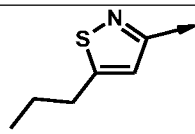
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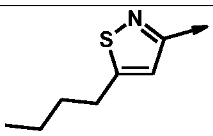	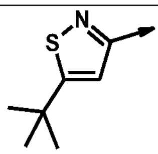	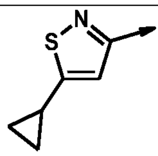	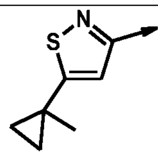	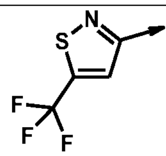
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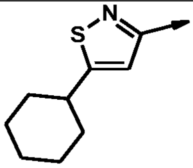	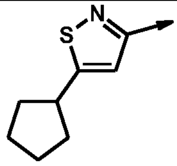	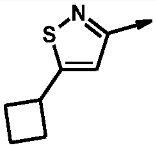	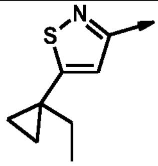	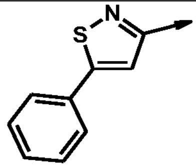
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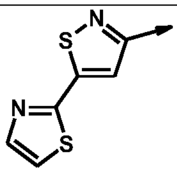	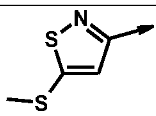	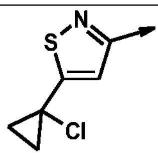	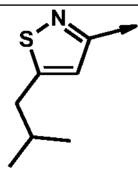	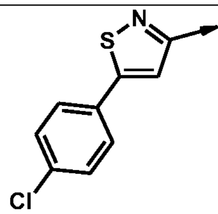
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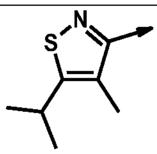	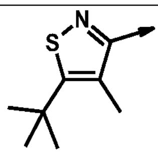	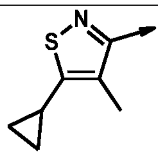	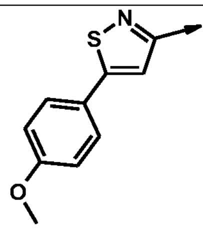	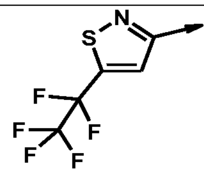
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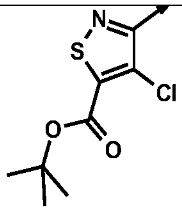	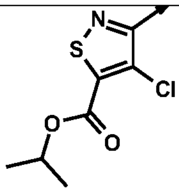	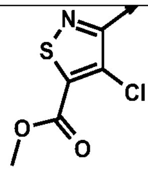	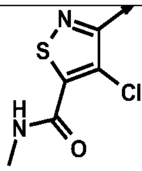	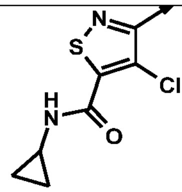
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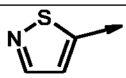	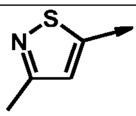	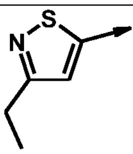	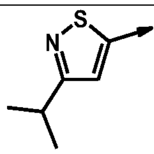	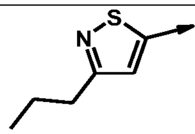
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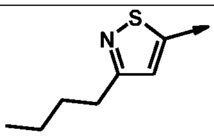	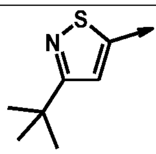	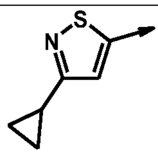	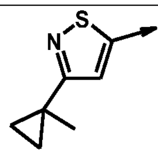	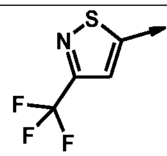
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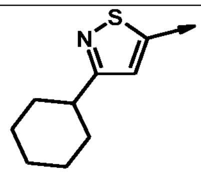	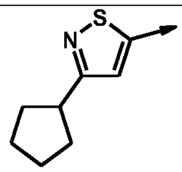	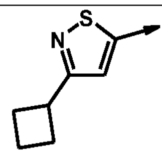	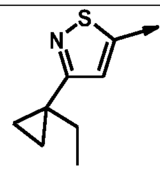	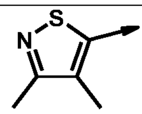
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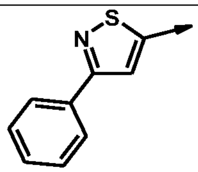	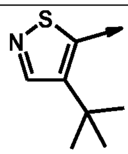	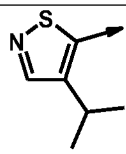	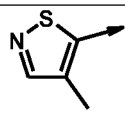	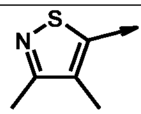
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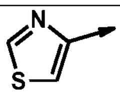	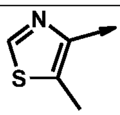	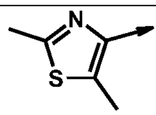	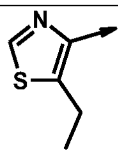	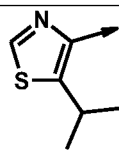
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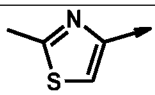	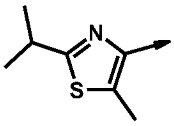	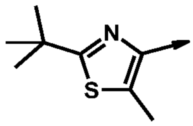	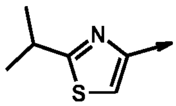	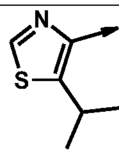
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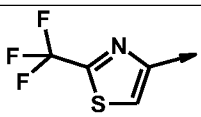	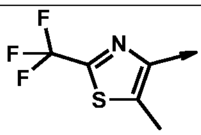	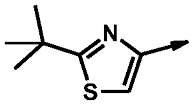	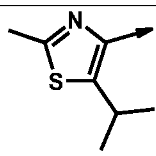	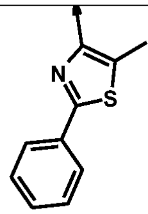
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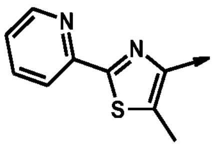	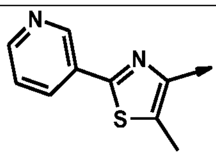	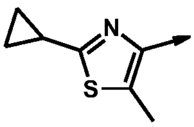	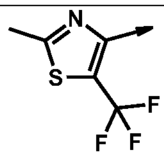	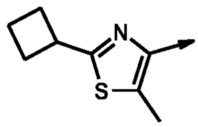
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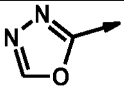	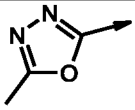	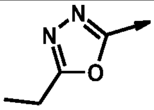	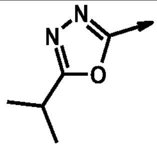	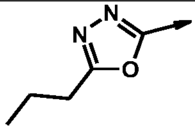
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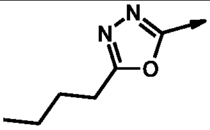	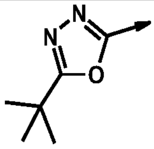	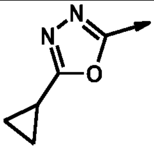	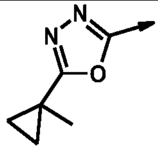	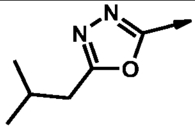
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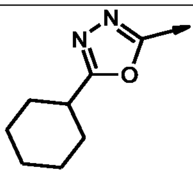	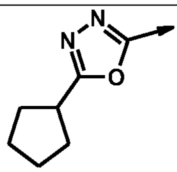	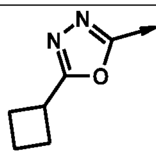	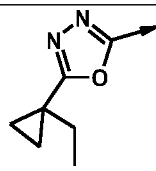	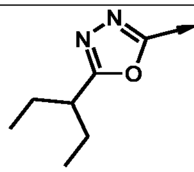
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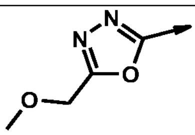	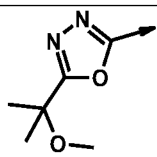	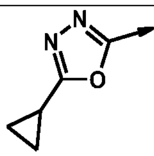	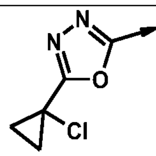	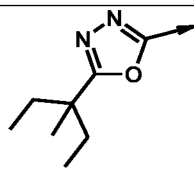
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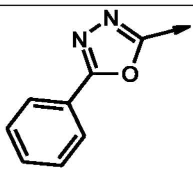	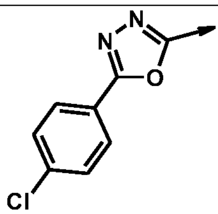	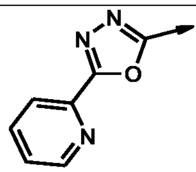	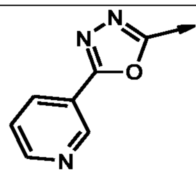	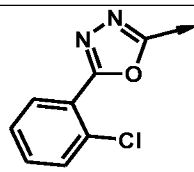
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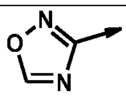	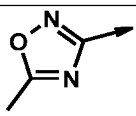	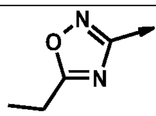	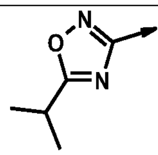	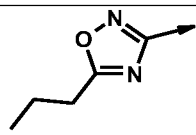
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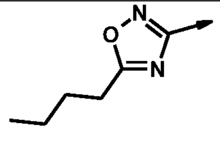	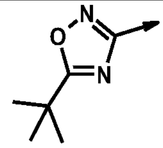	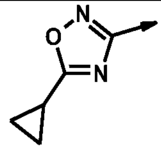	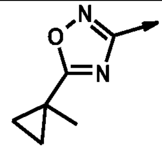	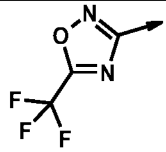
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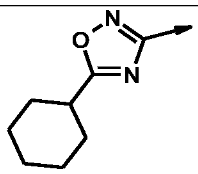	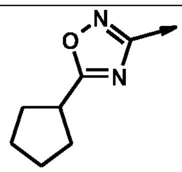	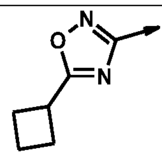	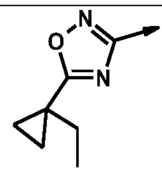	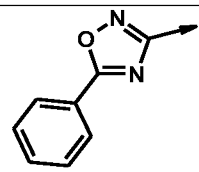
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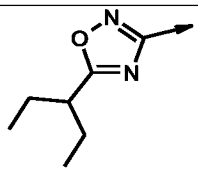	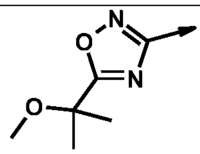	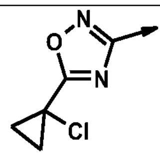	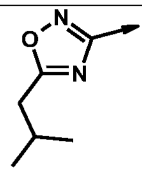	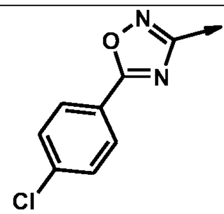
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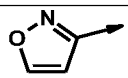	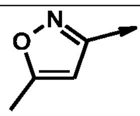	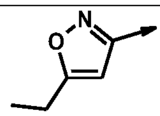	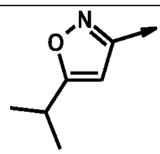	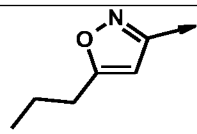
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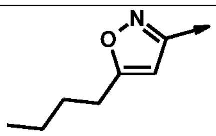	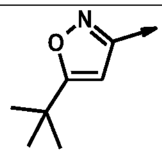	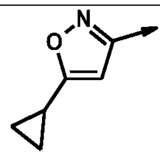	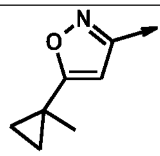	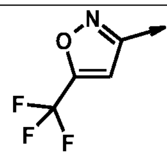
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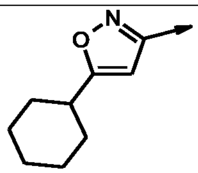	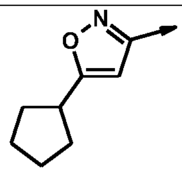	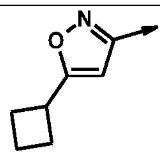	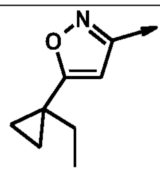	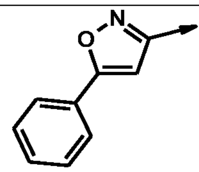
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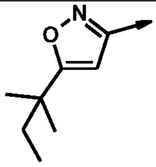	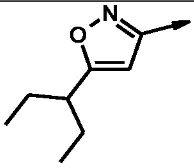	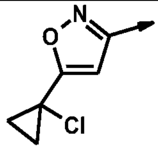	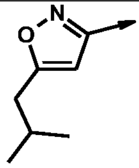	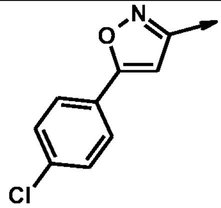
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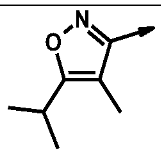	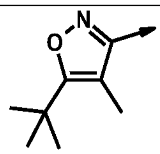	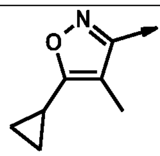	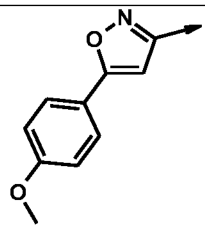	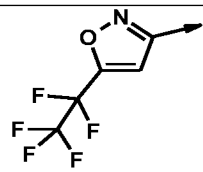
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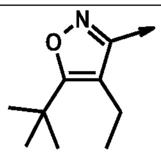
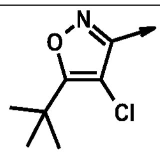
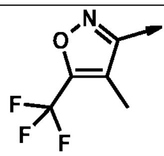
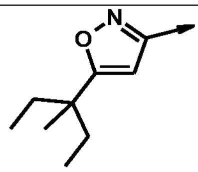
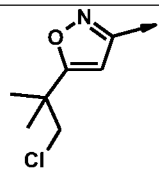
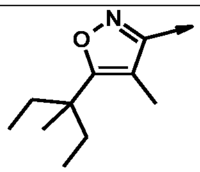
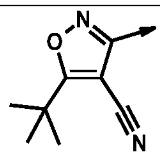
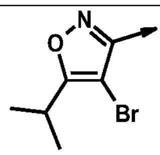
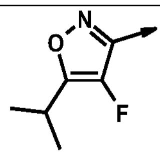
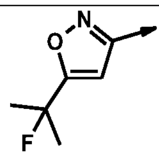
				
Q-8.26	Q-8.27	Q-8.28	Q-8.29	Q-8.30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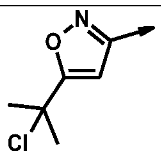
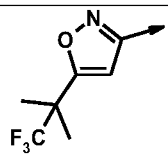
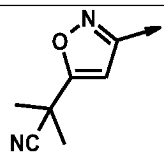
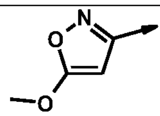
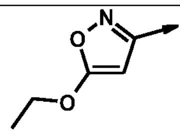
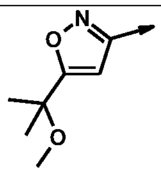
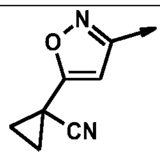
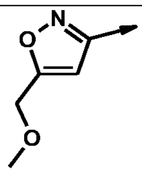
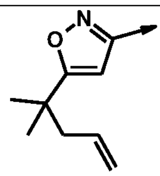
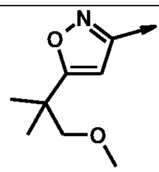
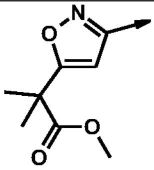
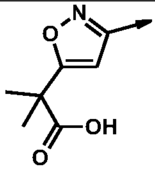
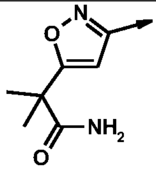
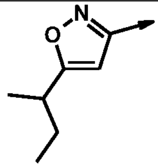
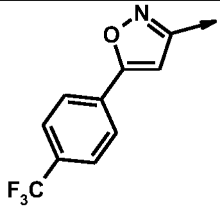
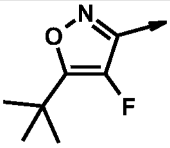
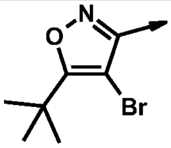
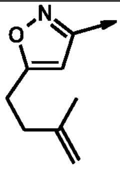
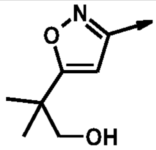
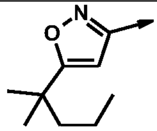
				
Q-8.36	Q-8.37	Q-8.38	Q-8.39	Q-8.40

				
Q-8.41	Q-8.42	Q-8.43	Q-8.44	Q-8.45

				
Q-8.46	Q-8.47	Q-8.48	Q-8.49	Q-8.50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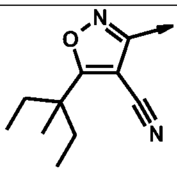
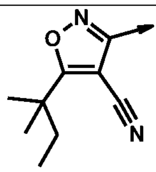
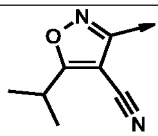
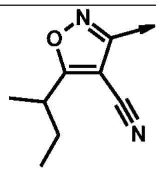
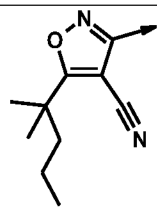
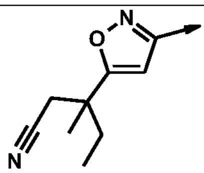
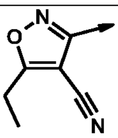
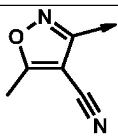
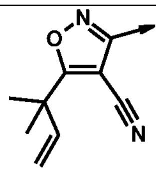
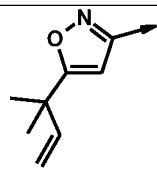
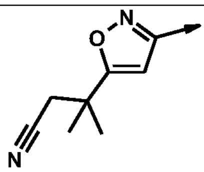
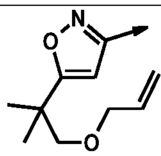
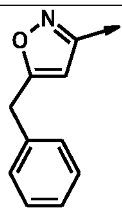
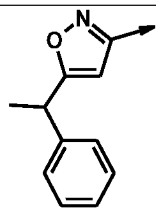
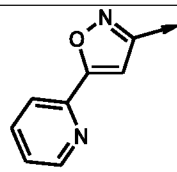
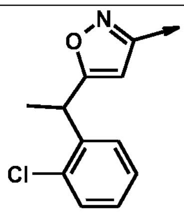
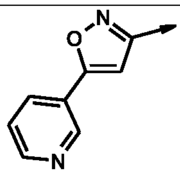
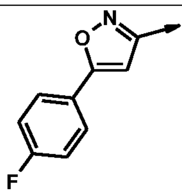
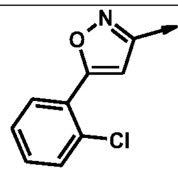
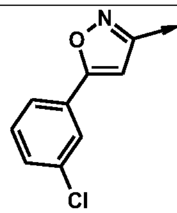
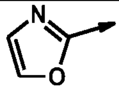
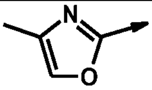
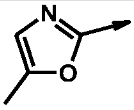
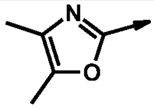
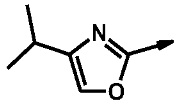
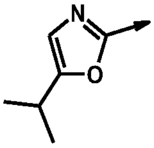
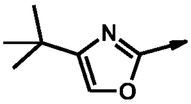
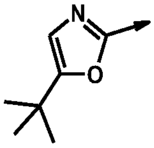
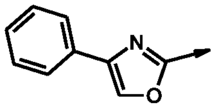
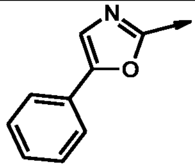
				
Q-8.56	Q-8.57	Q-8.58	Q-8.59	Q-8.60

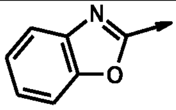
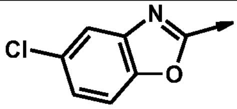
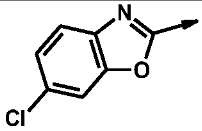
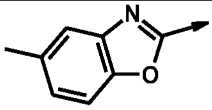
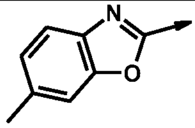
				
Q-8.61	Q-8.62	Q-8.63	Q-8.64	Q-8.65

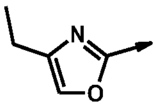
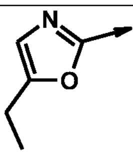
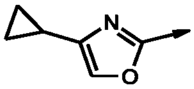
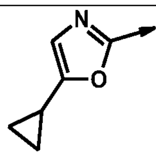
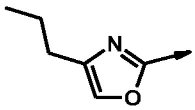
				
Q-8.66	Q-8.67	Q-8.68	Q-8.69	Q-8.70

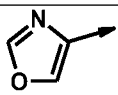
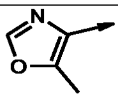
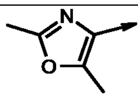
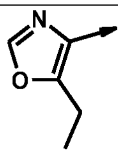
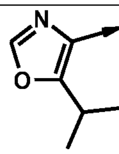
				
Q-8.71	Q-8.72	Q-8.73	Q-8.74	Q-8.75

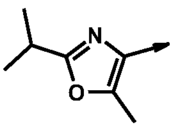
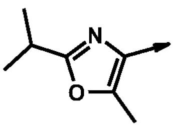
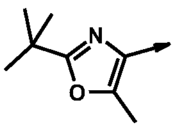
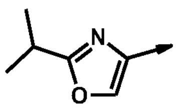
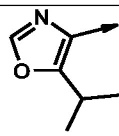
				
Q-9.1	Q-9.2	Q-9.3	Q-9.4	Q-9.5

				
Q-9.6	Q-9.7	Q-9.8	Q-9.9	Q-9.10

				
Q-9.11	Q-9.12	Q-9.13	Q-9.14	Q-9.15

				
Q-9.16	Q-9.17	Q-9.18	Q-9.19	Q-9.20

				
Q-10.1	Q-10.2	Q-10.3	Q-10.4	Q-10.5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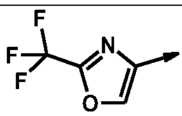	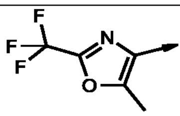	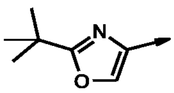	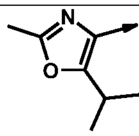	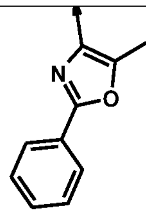

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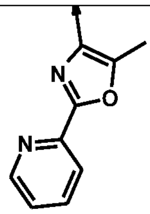	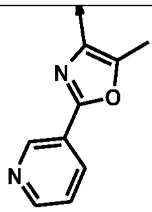	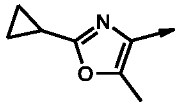	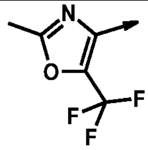	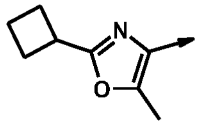
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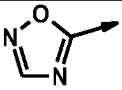	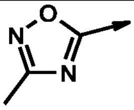	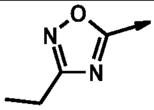	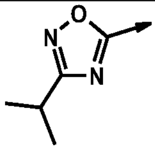	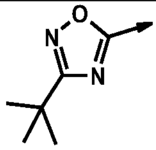
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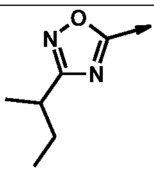	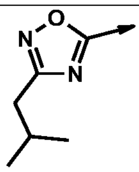	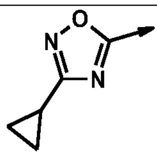	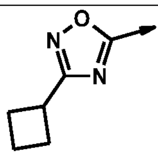	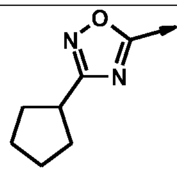
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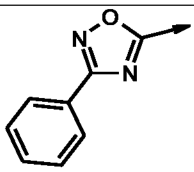	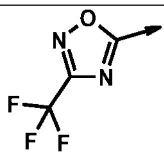	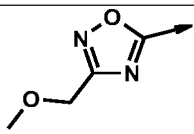	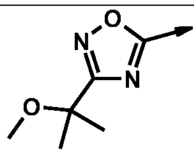	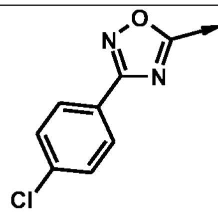
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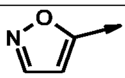	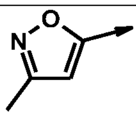	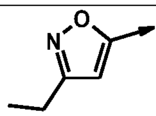	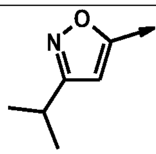	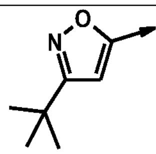
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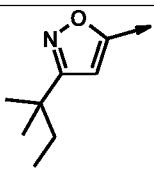	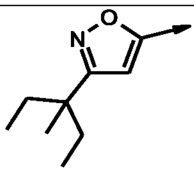	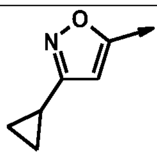	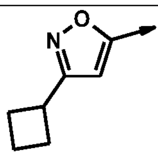	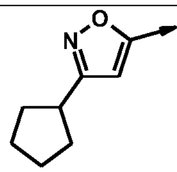
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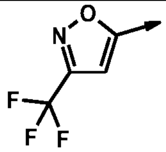	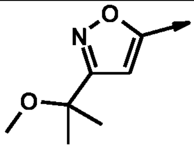	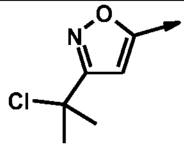	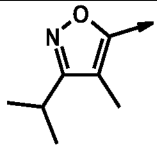	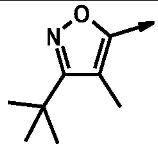
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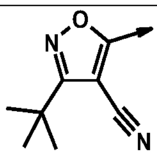	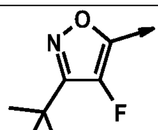	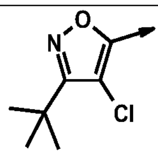	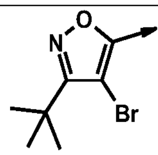	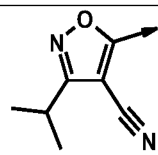
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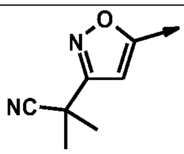	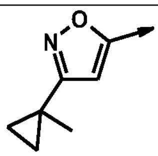	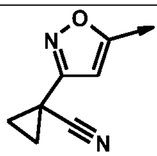	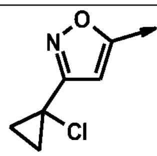	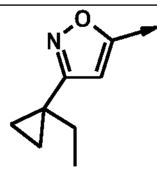
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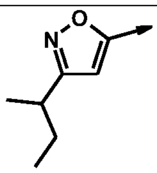	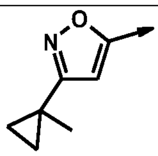	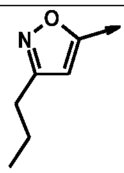	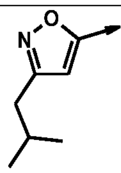	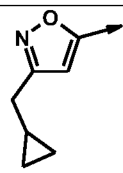
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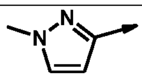
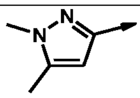
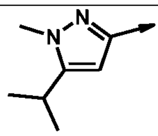
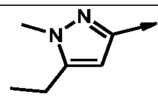
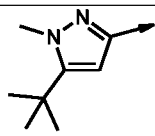
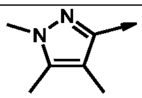
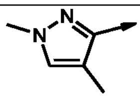
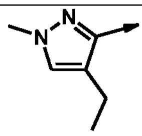
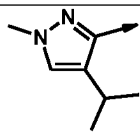
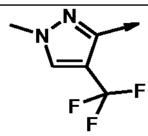
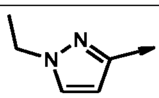
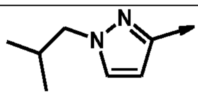
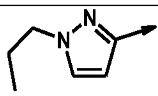
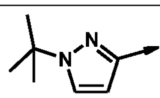
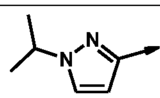
				
Q-13.1	Q-13.2	Q-13.3	Q-13.4	Q-13.5

				
Q-13.6	Q-13.7	Q-13.8	Q-13.9	Q-13.10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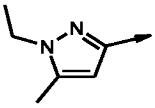	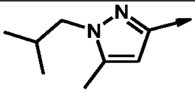	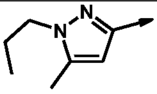	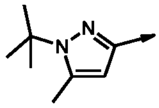	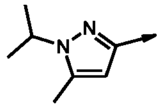
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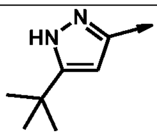	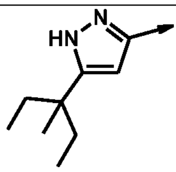	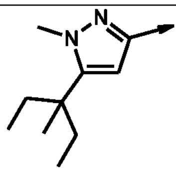	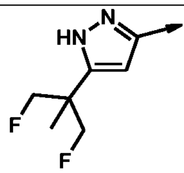	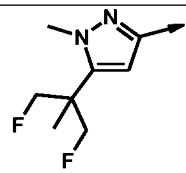
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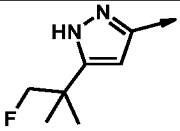	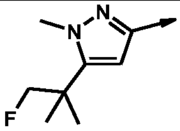	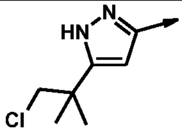	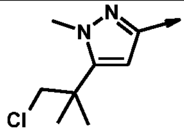	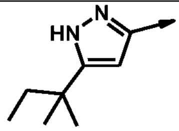
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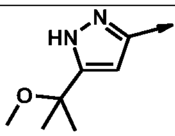	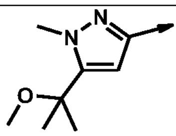	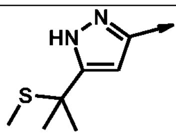	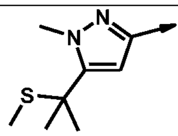	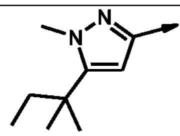
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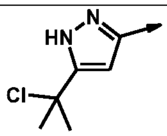
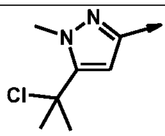
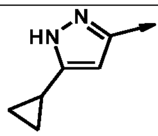
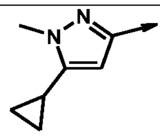
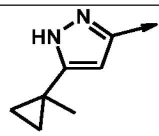
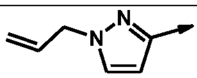
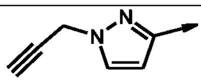
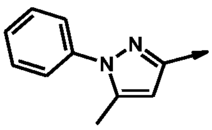
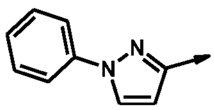
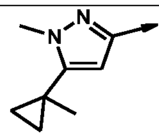
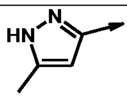
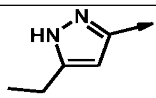
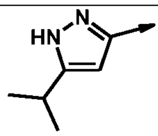
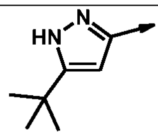
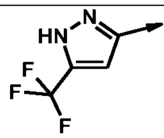
				
Q-13.36	Q-13.37	Q-13.38	Q-13.39	Q-13.40

				
Q-13.36	Q-13.37	Q-13.38	Q-13.39	Q-13.40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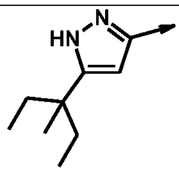
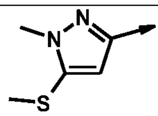
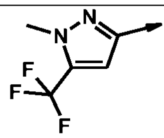
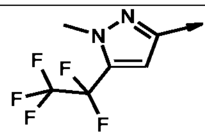
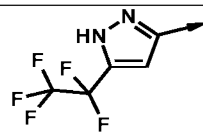
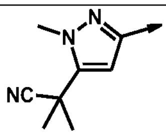
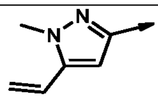
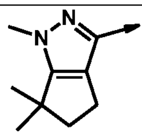
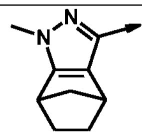
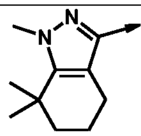
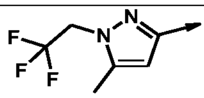
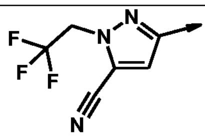
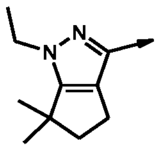
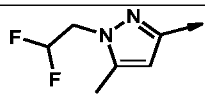
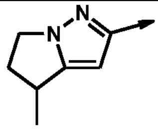
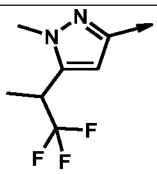
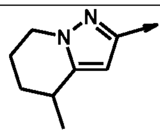
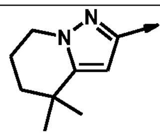
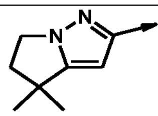
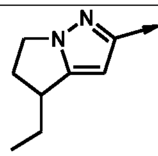
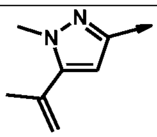
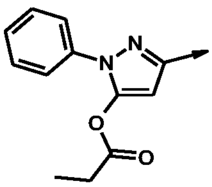
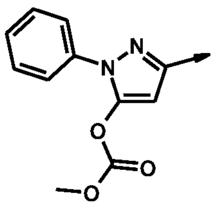
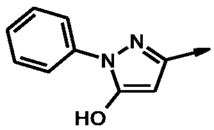
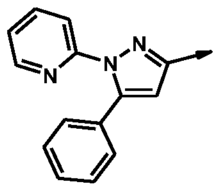
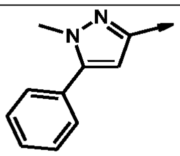
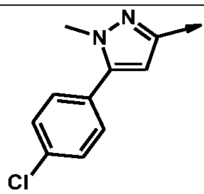
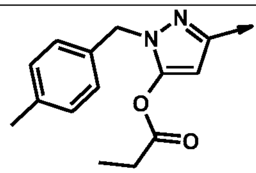
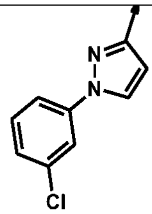
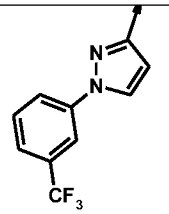
				
Q-13.46	Q-13.47	Q-13.48	Q-13.49	Q-13.50

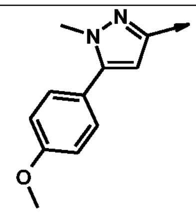
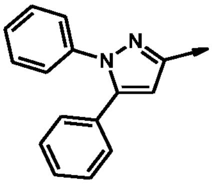
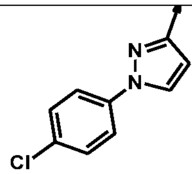
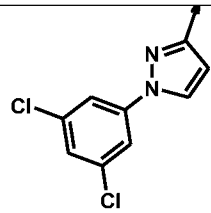
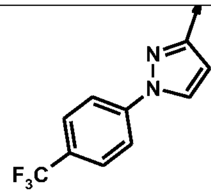
				
Q-13.51	Q-13.52	Q-13.53	Q-13.54	Q-13.55

				
Q-13.56	Q-13.57	Q-13.58	Q-13.59	Q-13.60

				
Q-13.61	Q-13.62	Q-13.63	Q-13.64	Q-13.65

				
Q-13.66	Q-13.67	Q-13.68	Q-13.69	Q-13.70

				
Q-13.71	Q-13.72	Q-13.73	Q-13.74	Q-13.75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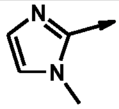	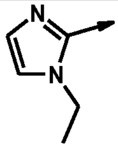	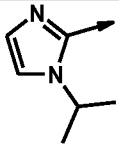	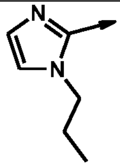	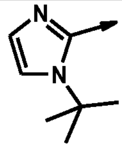
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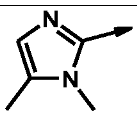	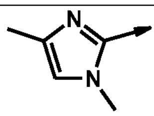	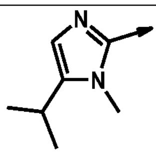	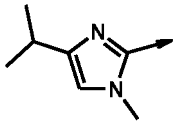	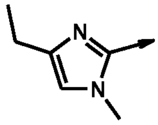
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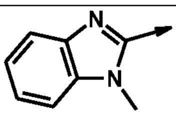	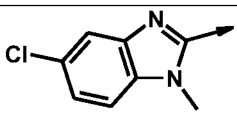	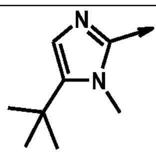	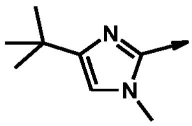	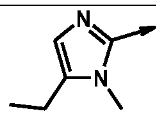
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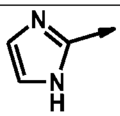	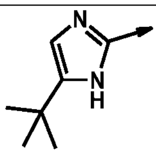	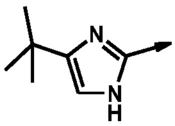	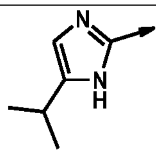	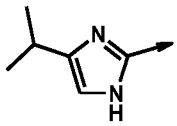
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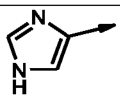	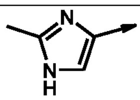	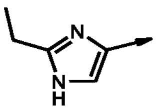	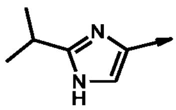	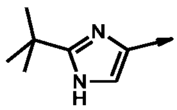
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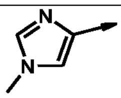	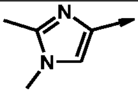	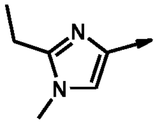	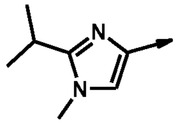	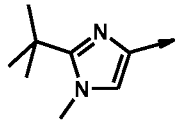
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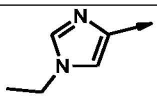	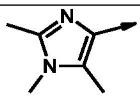	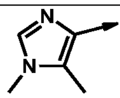	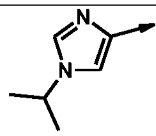	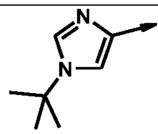
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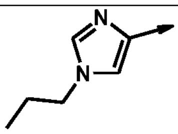	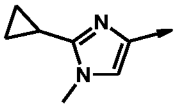	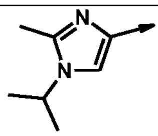	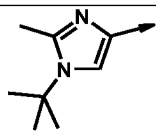	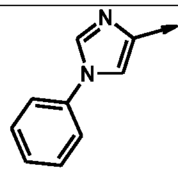
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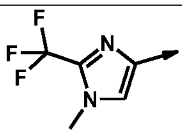	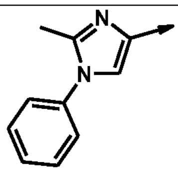	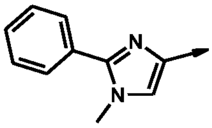	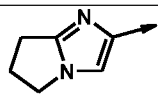	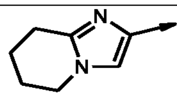
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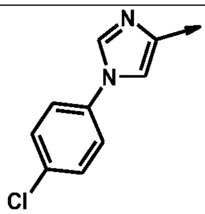	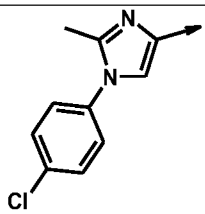	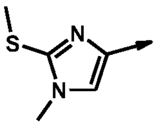	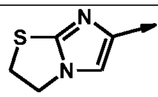	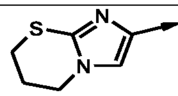
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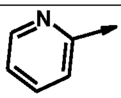	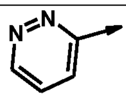	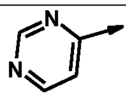	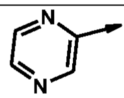	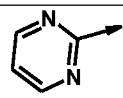
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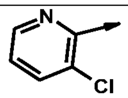
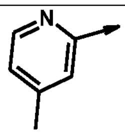
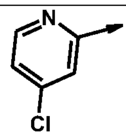
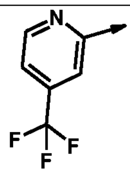
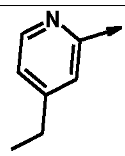
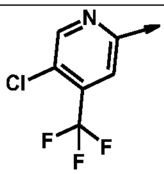
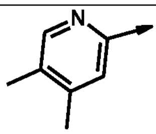
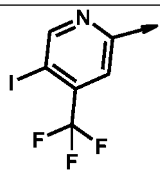
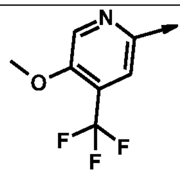
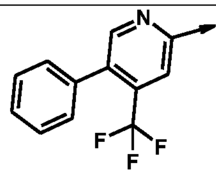
				
Q-16.6	Q-16.7	Q-16.8	Q-16.9	Q-16.10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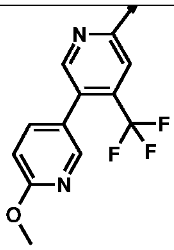	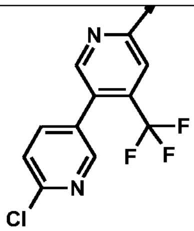	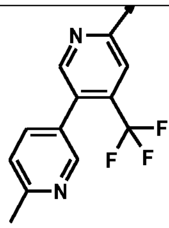	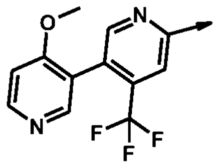	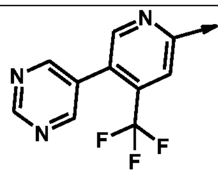
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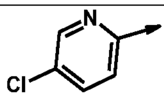	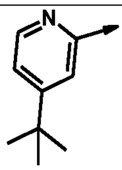	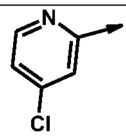	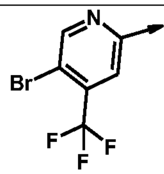	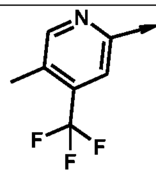
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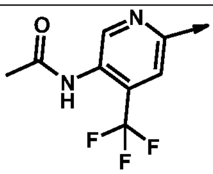	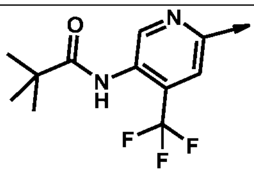	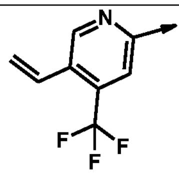	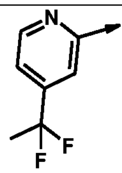	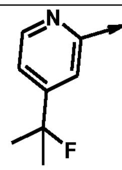
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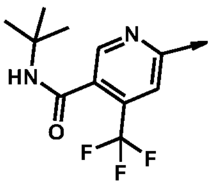	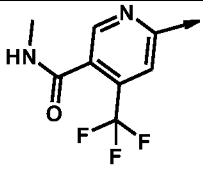	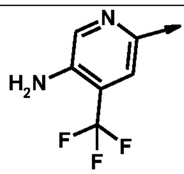	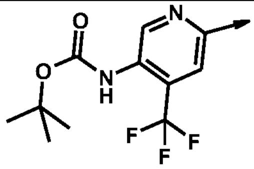	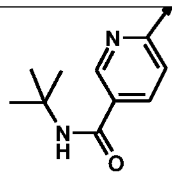
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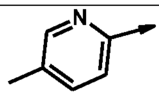	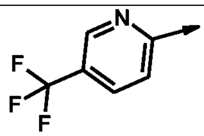	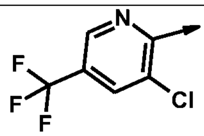	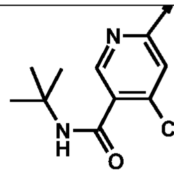	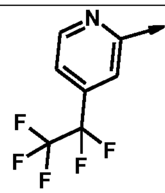
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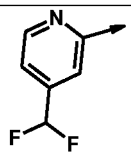	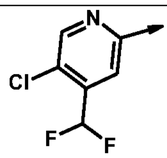	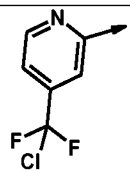	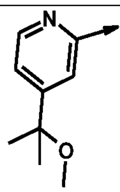	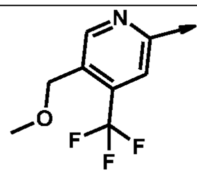
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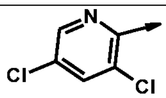	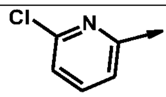	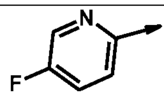	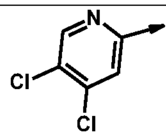	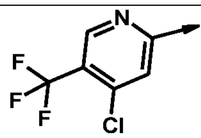
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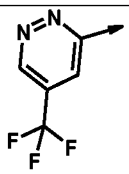	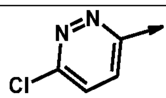	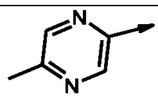	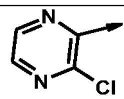	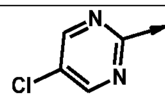
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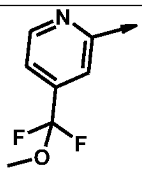	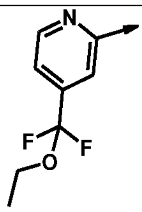	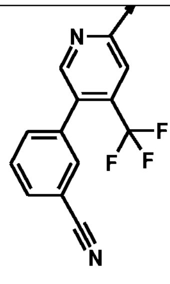	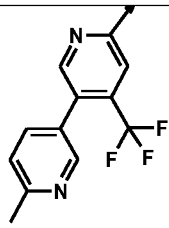	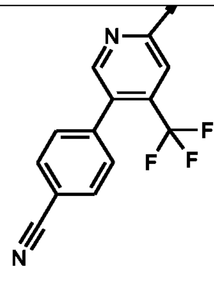
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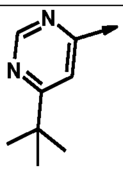
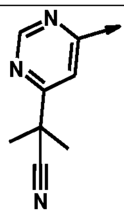
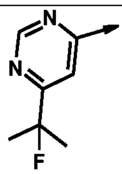
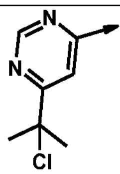
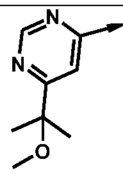
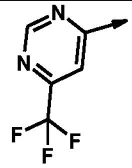
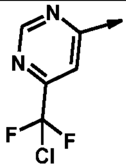
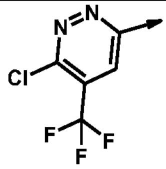
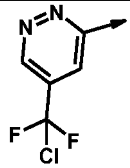
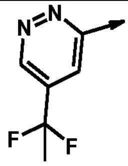
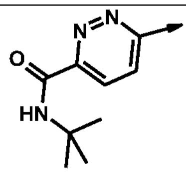
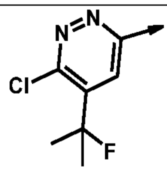
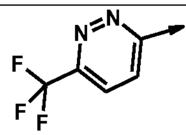
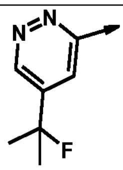
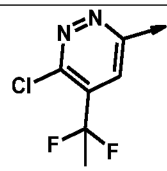
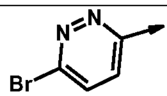
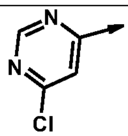
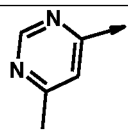
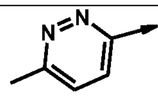
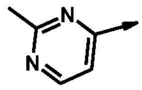
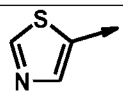
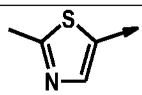
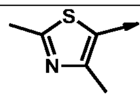
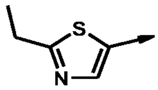
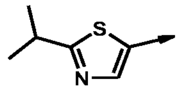
				
Q-16.61	Q-16.62	Q-16.63	Q-16.64	Q-16.65

				
Q-16.66	Q-16.67	Q-16.68	Q-16.69	Q-16.70

				
Q-16.71	Q-16.72	Q-16.73	Q-16.74	Q-16.75

				
Q-16.76	Q-16.77	Q-16.78	Q-16.79	Q-16.80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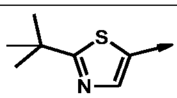	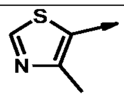	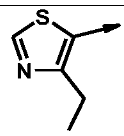	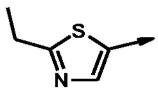	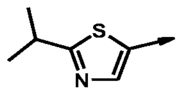
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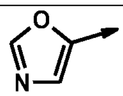	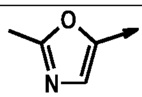	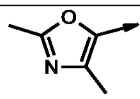	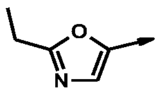	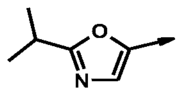
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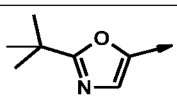	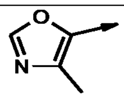	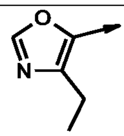	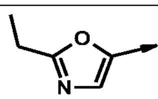	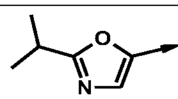
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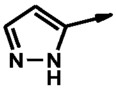	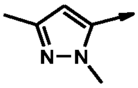	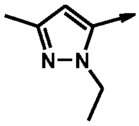	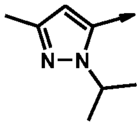	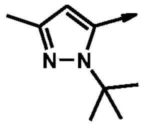
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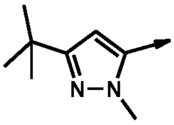	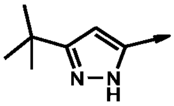	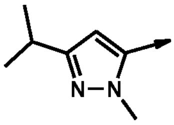	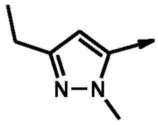	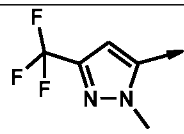
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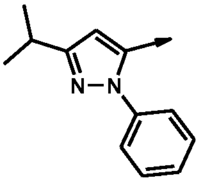	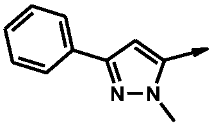	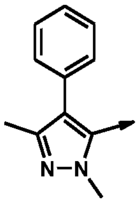	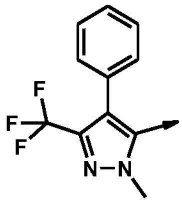	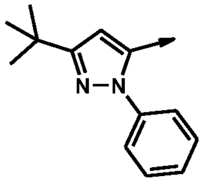
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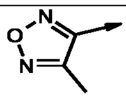	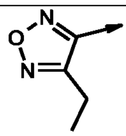	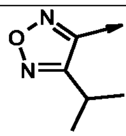	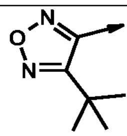	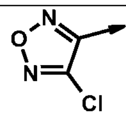
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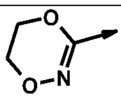	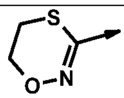	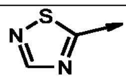	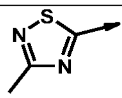	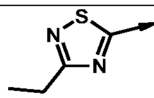
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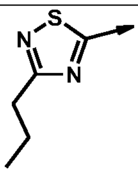	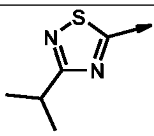	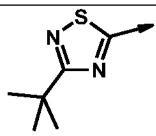	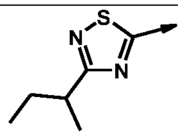	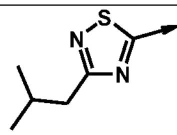
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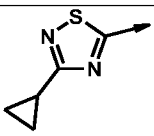	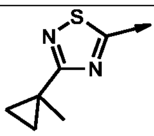	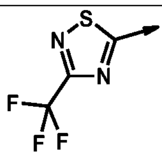	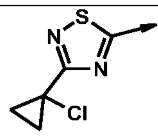	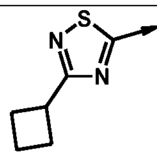
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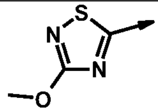	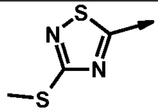	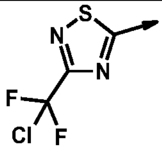	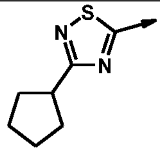	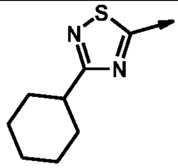
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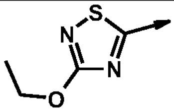
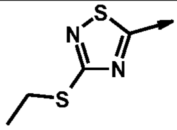
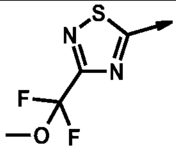
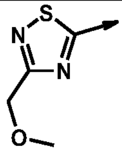
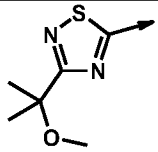
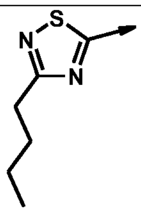
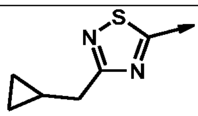
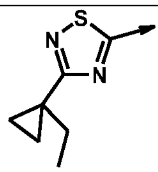
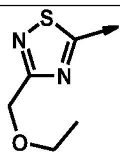
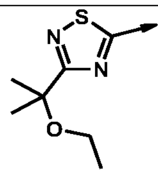
				
Q-23.19	Q-23.20	Q-23.21	Q-23.22	Q-23.23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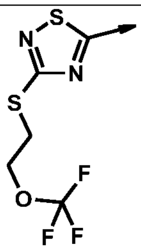	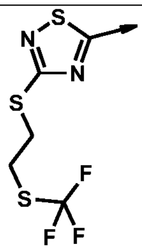	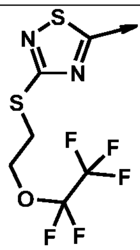	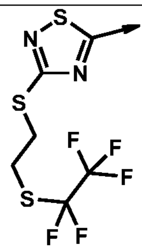	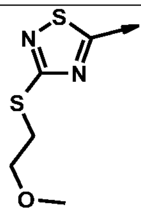
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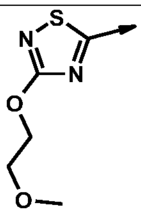	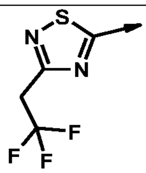	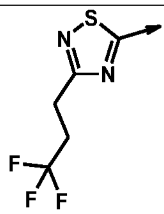	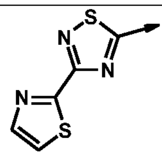	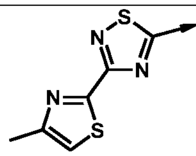
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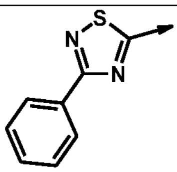	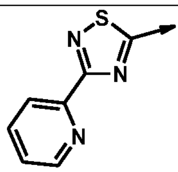	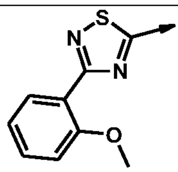	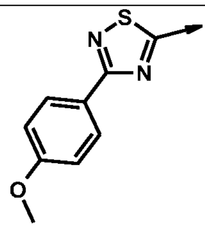	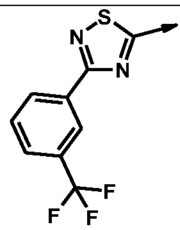

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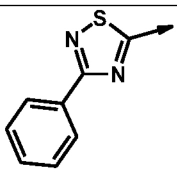	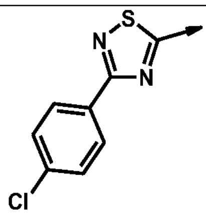	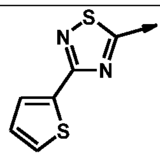	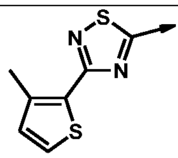	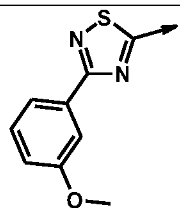
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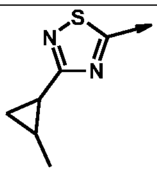	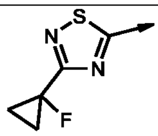	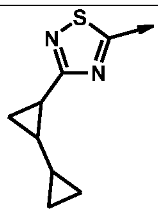	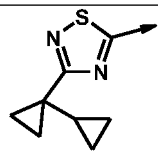	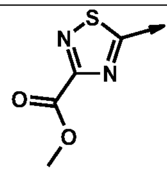
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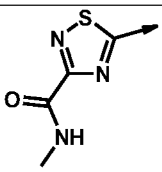	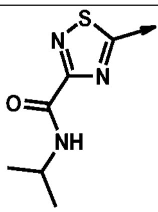	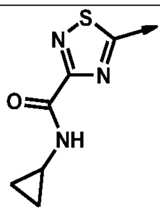	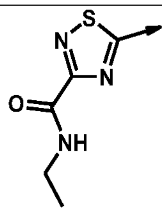	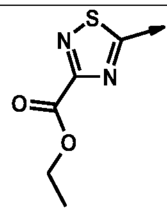
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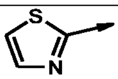
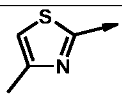
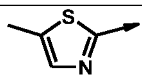
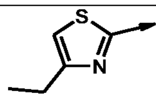
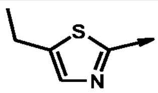
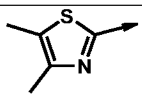
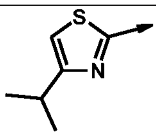
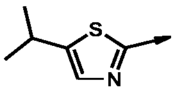
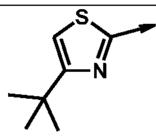
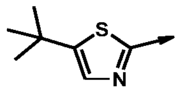
				
Q-24.1	Q-24.2	Q-24.3	Q-24.4	Q-24.5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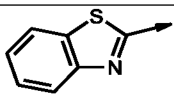	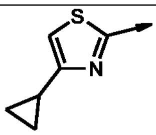	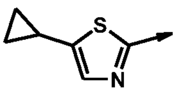	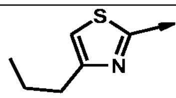	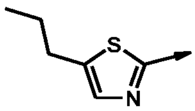
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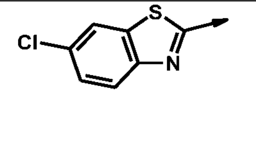	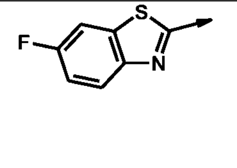	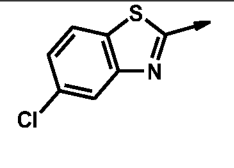	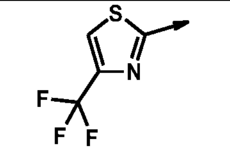	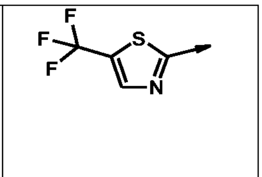
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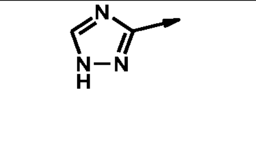
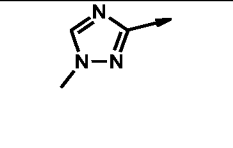
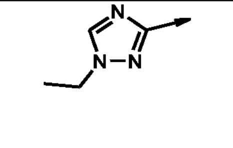
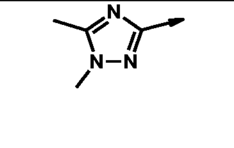
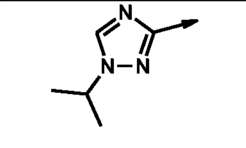
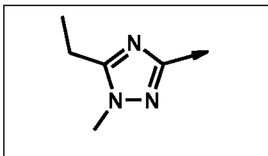
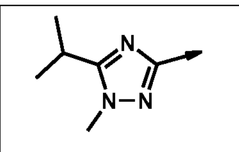
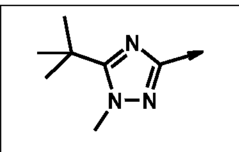
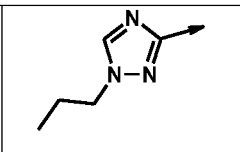
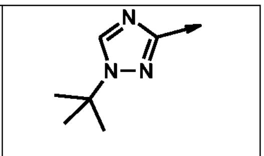
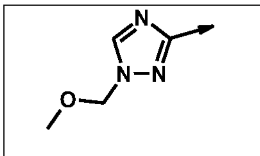
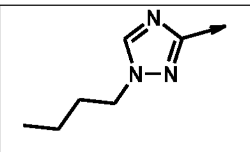
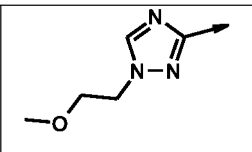
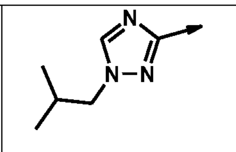
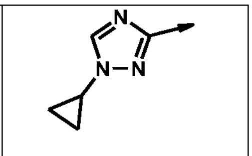
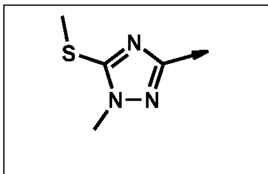
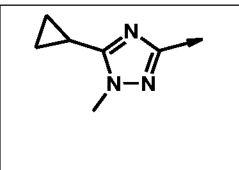
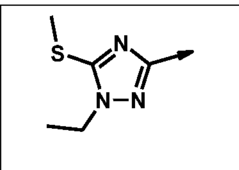
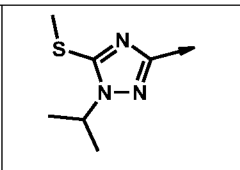
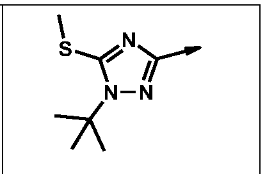
				
Q-25.1	Q-25.2	Q-25.3	Q-25.4	Q-25.5

				
Q-25.6	Q-25.7	Q-25.8	Q-25.9	Q-25.10

				
Q-25.11	Q-25.12	Q-25.13	Q-25.14	Q-25.15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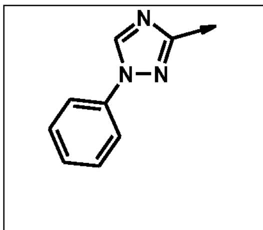	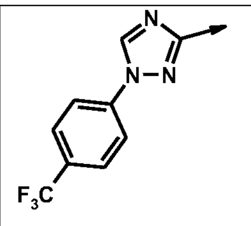	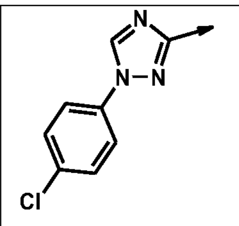	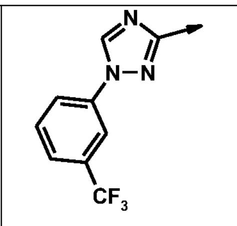	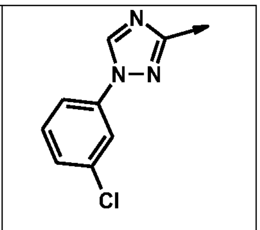
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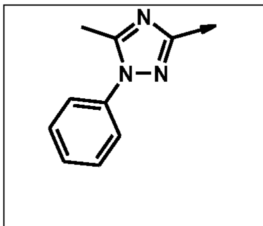	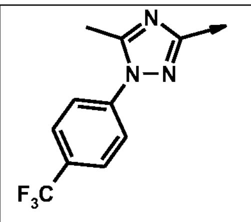	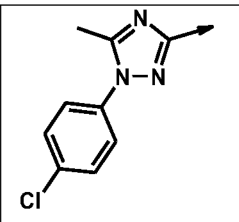	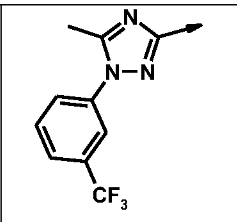	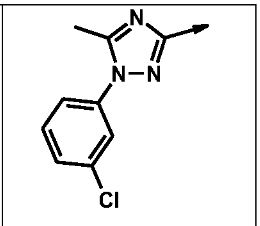

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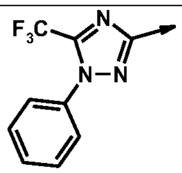	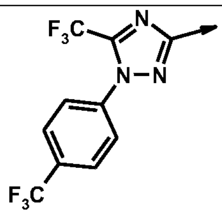	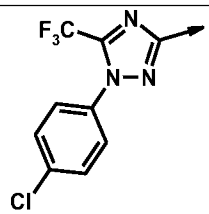	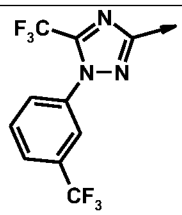	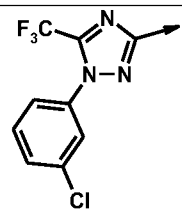
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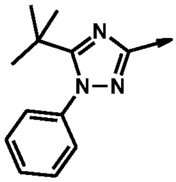	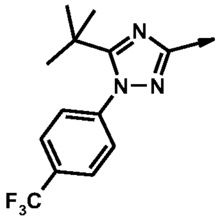	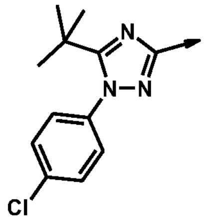	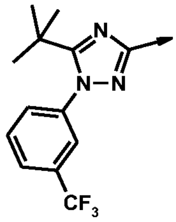	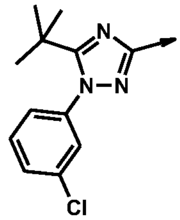
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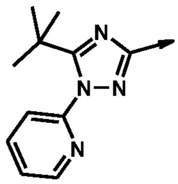	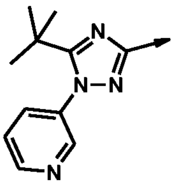	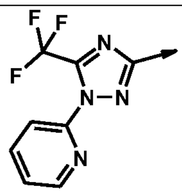	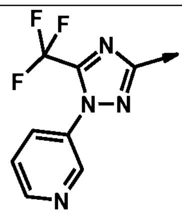	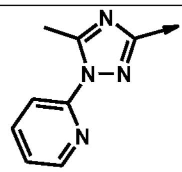
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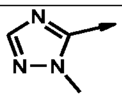	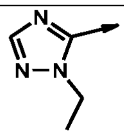	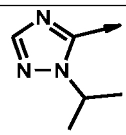	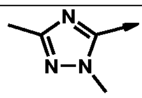	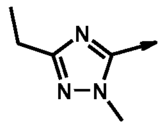
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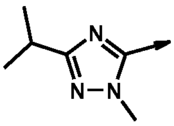	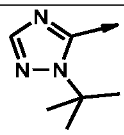	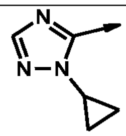	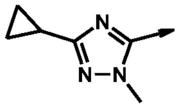	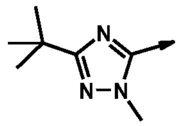
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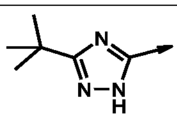	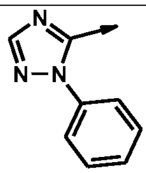	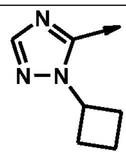	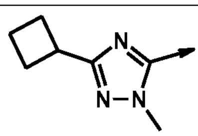	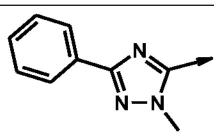
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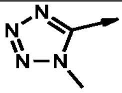	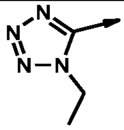	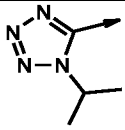	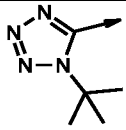	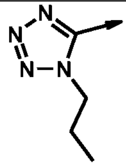
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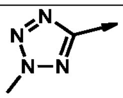
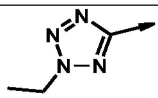
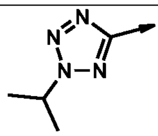
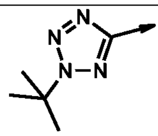
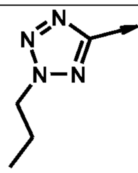
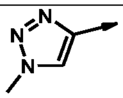
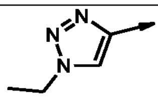
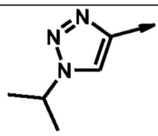
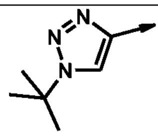
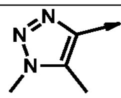
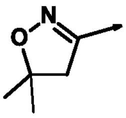
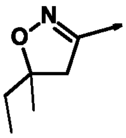
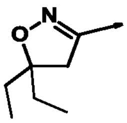
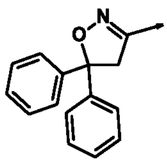
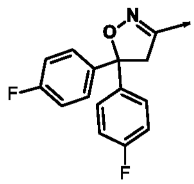
				
Q-28.1	Q-28.2	Q-28.3	Q-28.4	Q-28.5

				
Q-29.1	Q-29.2	Q-29.3	Q-29.4	Q-29.5

				
Q-30.1	Q-30.2	Q-30.3	Q-30.4	Q-30.5

6. The compound of the general formula (I) as claimed in claim 1 and/or the salts thereof, characterized in that

R^1 represents hydrogen, methyl, ethyl, n-propyl, 1-methylethyl, n-butyl, 1-methylprop-1-yl, 2-methylprop-1-yl, 1,1-dimethyleth-1-yl, n-pentyl, 1-methylbut-1-yl, 2-methylbut-1-yl, 3-methylbut-1-yl, 1,1-dimethylprop-1-yl, 1,2-dimethylprop-1-yl, 2,2-dimethylprop-1-yl, 1-ethylprop-1-yl, n-hexyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1,1-dimethylbutyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 3,3-dimethylbutyl, 1-ethylbutyl, 2-ethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-1-methylpropyl, 1-ethyl-2-methylpropyl, trifluoromethyl, difluoromethyl, 2,2-difluoroethyl, 2,2,2-trifluoroethyl, 3,3,3-trifluoroprop-1-yl, 3,3,3-trifluoroprop-2-yl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, adamantan-1-yl, adamantan-2-yl, 1-methylcyclopropyl, 2-

methylcyclopropyl, 2,2-dimethylcyclopropyl, 2,3-dimethylcyclopropyl, 1-cyanocyclopropyl, 2-cyanocyclopropyl, 1-methylcyclobutyl, 2-methylcyclobutyl, 3-methylcyclobutyl, 1-cyanocyclobutyl, 2-cyanocyclobutyl, 3-cyanocyclobutyl, 1-allylcyclopropyl, 1-vinylcyclobutyl, 1-vinylcyclopropyl, 1-ethylcyclopropyl, 1-methylcyclohexyl, 2-methylcyclohexyl, 3-methylcyclohexyl, 1-methoxycyclohexyl, 2-methoxycyclohexyl, 3-methoxycyclohexyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclohexylmethyl, phenyl, p-F-phenyl, m-F-phenyl, o-F-phenyl, p-Cl-phenyl, m-Cl-phenyl, o-Cl-phenyl, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyrimidin-2-yl, pyrimidin-4-yl, thiophen-2-yl, thiophen-3-yl, furan-2-yl, furan-3-yl, tetrahydrofuran-2-yl, tetrahydrofuran-3-yl, benzyl, p-Cl-benzyl, p-F-benzyl, p-methoxybenzyl, p-methylbenzyl, p-trifluoromethylbenzyl, p-nitrobenzyl, m-Cl-benzyl, m-F-benzyl, m-methoxybenzyl, m-methylbenzyl, o-Cl-benzyl, o-F-benzyl, o-methoxybenzyl, o-methylbenzyl, 1-phenyleth-1-yl, 2-phenyleth-1-yl, 1-(o-chlorophenyl)eth-1-yl, 1-(o-fluorophenyl)eth-1-yl, 1-(o-methylphenyl)eth-1-yl, 1-(o-bromophenyl)eth-1-yl, 1-(o-iodophenyl)eth-1-yl, pyridin-2-ylmethyl, pyridin-3-ylmethyl, pyridin-4-ylmethyl, pyrimidin-2-ylmethyl, pyrimidin-4-ylmethyl, tetrahydrofuran-2-ylmethyl, o-cyanophenylmethyl, m-cyanophenylmethyl, p-cyanophenylmethyl, cyanomethyl, cyanoethyl, methoxycarbonyl, ethoxycarbonyl, n-propyloxycarbonyl, isopropyloxycarbonyl, tert-butyloxycarbonyl, benzyloxycarbonyl, allyloxycarbonyl, methylcarbonyl, ethylcarbonyl, n-propylcarbonyl, isopropylcarbonyl, n-butylcarbonyl, 1-methylprop-1-ylcarbonyl, 2-methylprop-1-ylcarbonyl, 1,1-dimethyleth-1-ylcarbonyl, phenylcarbonyl, methylaminocarbonyl, dimethylaminocarbonyl, ethylaminocarbonyl, n-propylaminocarbonyl, isopropylaminocarbonyl, n-butylaminocarbonyl, tert-butylaminocarbonyl, benzylaminocarbonyl, methoxycarbonylmethyl, ethoxycarbonylmethyl, tert-butyloxycarbonylmethyl, benzyloxycarbonylmethyl, methoxycarbonylethyl, ethoxycarbonylethyl, tert-butyloxycarbonylmethyl, benzyloxycarbonylmethyl, methylcarbonyloxymethyl, ethylcarbonyloxymethyl, n-propylcarbonyloxymethyl, 1-methylethylcarbonyloxymethyl, 1,1-dimethylethylcarbonyloxymethyl, hydroxycarbonylmethyl, hydroxycarbonylethyl, hydroxycarbonyl-n-propyl, methoxy, ethoxy, n-propyloxy, isopropyloxy, methoxymethyl, ethoxymethyl, n-propyloxymethyl, isopropyloxymethyl, n-butyloxymethyl, methoxyethyl, ethoxyethyl, n-propyloxyethyl, isopropyloxyethyl, methoxy-n-propyl, ethoxy-n-propyl, methoxy-n-butyl, amino, dimethylamino, methyl(ethyl)amino, diethylamino, cyanomethyl, prop-2-yn-1-yl,

R^2 and R^9 independently of one another represent hydrogen, fluorine, methyl, ethyl, n-propyl, isopropyl, n-butyl, 1-methylprop-1-yl, 2-methylprop-1-yl, 1,1-dimethyleth-1-yl, trifluoromethyl, difluoromethyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, methoxymethyl, ethoxymethyl, methoxyethyl, ethoxyethyl, methoxy, ethoxy, n-propyloxy, isopropyloxy, trifluoromethoxy, difluoromethoxy, methylthio, ethylthio, trifluoromethylthio, dimethylamino, methylamino, diethylamino, methyl(ethyl)amino, or

R^1 and R^2 together with the nitrogen atom or carbon atom to which they are respectively attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution, or

R^2 and R^9 together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

R^3 represents hydroxy, hydrothio, fluorine, chlorine, bromine, iodine, methoxy, ethoxy, n-propyloxy, 1-methylethoxy, n-butyloxy, 1-methylpropyloxy, 2-methylpropyloxy, 1,1-dimethylethoxy, n-pentyloxy, 1-methylbutyloxy, 2-methylbutyloxy, 3-methylbutyloxy, 1,1-dimethylpropyloxy, 1,2-dimethylpropyloxy, 2,2-dimethylpropyloxy, 1-ethylpropyloxy, n-hexyloxy, 1-methylpentyloxy, 2-methylpentyloxy, 3-methylpentyloxy, 4-methylpentyloxy, 1,1-dimethylbutyloxy, 1,2-dimethylbutyloxy, 1,3-dimethylbutyloxy, 2,2-dimethylbutyloxy, 2,3-dimethylbutyloxy, 3,3-dimethylbutyloxy, 1-ethylbutyloxy, 2-ethylbutyloxy, 1,1,2-trimethylpropyloxy, 1,2,2-trimethylpropyloxy, 1-ethyl-1-methylpropyloxy, 1-ethyl-2-methylpropyloxy, cyclopropylmethoxy, cyclobutylmethoxy, cyclopentylmethoxy, cyclohexylmethoxy, benzyloxy, p-chlorophenylmethoxy, m-chlorophenylmethoxy, o-chlorophenylmethoxy, p-methoxyphenylmethoxy, p-nitrophenylmethoxy, methoxymethoxy, methoxyethoxy, methoxy-n-propyloxy, methoxy-n-butyloxy, ethoxymethoxy, ethoxyethoxy, ethoxy-n-propyloxy, ethoxy-n-butyloxy, n-propyloxymethoxy, isopropyloxymethoxy, methylcarbonyloxy, ethylcarbonyloxy, n-propylcarbonyloxy, 1-methylethylcarbonyloxy, n-butylcarbonyloxy, 1-methylprop-1-ylcarbonyloxy, 2-methylprop-1-ylcarbonyloxy, 1,1-dimethyleth-1-ylcarbonyloxy, n-pentylcarbonyloxy, 1-methylbutylcarbonyloxy, 2-methylbutylcarbonyloxy, 3-methylbutylcarbonyloxy, 1,1-dimethylpropylcarbonyloxy, 1,2-dimethylpropylcarbonyloxy, 2,2-dimethylpropylcarbonyloxy, 1-ethylpropylcarbonyloxy, n-hexylcarbonyloxy, 1-methylpentylcarbonyloxy, 2-methylpentylcarbonyloxy, 3-methylpentylcarbonyloxy, 4-methylpentylcarbonyloxy, 1,1-dimethylbutylcarbonyloxy, 1,2-dimethylbutylcarbonyloxy, 1,3-

dimethylbutylcarbonyloxy, 2,2-dimethylbutylcarbonyloxy, 2,3-dimethylbutylcarbonyloxy, 3,3-dimethylbutylcarbonyloxy, 1-ethylbutylcarbonyloxy, 2-ethylbutylcarbonyloxy, 1,1,2-trimethylpropylcarbonyloxy, 1,2,2-trimethylpropylcarbonyloxy, 1-ethyl-1-methylpropylcarbonyloxy, 1-ethyl-2-methylpropylcarbonyloxy, phenylcarbonyloxy, p-chlorophenylcarbonyloxy, m-chlorophenylcarbonyloxy, o-chlorophenylcarbonyloxy, p-fluorophenylcarbonyloxy, m-fluorophenylcarbonyloxy, o-fluorophenylcarbonyloxy, benzylcarbonyloxy, thiophen-2-ylcarbonyloxy, furan-2-ylcarbonyloxy, cyclopropylcarbonyloxy, cyclobutylcarbonyloxy, cyclopentylcarbonyloxy, cyclohexylcarbonyloxy, 1-fluorocycloprop-1-ylcarbonyloxy, 1-chlorocycloprop-1-ylcarbonyloxy, 1-cyanocycloprop-1-ylcarbonyloxy, 1-methylcycloprop-1-ylcarbonyloxy, 1-trifluoromethylcycloprop-1-ylcarbonyloxy, adamantylcarbonyloxy, trifluoromethylcarbonyloxy, difluoromethylcarbonyloxy, methoxycarbonyloxy, ethoxycarbonyloxy, n-propyloxycarbonyloxy, isopropyloxycarbonyloxy, n-butyloxycarbonyloxy, 1,1-dimethylethyloxycarbonyloxy, 2,2-dimethylpropyloxycarbonyloxy, benzyloxycarbonyloxy, allyloxycarbonyloxy, cyclopropyloxycarbonyloxy, cyclobutyloxycarbonyloxy, cyclopentyloxycarbonyloxy, cyclohexyloxycarbonyloxy, cyclopropylmethyloxycarbonyloxy, cyclobutylmethyloxycarbonyloxy, cyclopentylmethyloxycarbonyloxy, cyclohexylmethyloxycarbonyloxy, 3,3,3-trifluoroethyloxycarbonyloxy, 2,2-difluoroethyloxycarbonyloxy, pyridin-2-ylcarbonyloxy, pyridin-3-ylcarbonyloxy, pyridin-4-ylcarbonyloxy, 4-trifluoromethylpyridin-3-ylcarbonyloxy, allylcarbonyloxy, methylsulfonyloxy, ethylsulfonyloxy, n-propylsulfonyloxy, 1-methylethylsulfonyloxy, cyclopropylsulfonyloxy, cyclobutylsulfonyloxy, cyclopentylsulfonyloxy, cyclohexylsulfonyloxy, phenylsulfonyloxy, p-chlorophenylsulfonyloxy, m-chlorophenylsulfonyloxy, o-chlorophenylsulfonyloxy, p-fluorophenylsulfonyloxy, m-fluorophenylsulfonyloxy, o-fluorophenylsulfonyloxy, p-methoxyphenylsulfonyloxy, m-methoxyphenylsulfonyloxy, o-methoxyphenylsulfonyloxy, p-methylphenylsulfonyloxy, m-methylphenylsulfonyloxy, o-methylphenylsulfonyloxy,

R^6 represents hydrogen,

R^{14} and R^{15} independently of one another represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, fluorine, or

R^9 and R^{15} together with the carbon atoms to which they are each attached form a fully saturated or partially saturated ring which has 3 to 7 members in total, which is optionally interrupted by one to three heteroatoms from the group consisting of N, O and S and which optionally has further substitution,

W represents oxygen

and

Q represents one of the moieties Q-1.1 to Q-30.5 specified in claim 5.

7. The use of one or more compounds of the general formula (I) and/or salts thereof, as defined in any of claims 1 to 6, as herbicide and/or plant growth regulator, preferably in crops of useful plants and/or ornamentals.

8. A herbicidal and/or plant growth-regulating composition, characterized in that the composition comprises one or more compounds of the formula (I) and/or salts thereof as defined in any of claims 1 to 6, and one or more further substances selected from groups (i) and/or (ii), with

(i) one or more further agrochemically active substances, preferably selected from the group consisting of insecticides, acaricides, nematicides, further herbicides, fungicides, safeners, fertilizers and/or further growth regulators,

(ii) one or more formulation auxiliaries customary in crop protection.

9. A method for controlling harmful plants or for regulating the growth of plants, characterized in that an effective amount

- of one or more compounds of the formula (I) and/or salts thereof, as defined in any of claims 1 to 6, or
- of a composition as claimed in claim 8,

is applied to the plants, seeds of plants, the soil in which or on which the plants grow or the area under cultivation.