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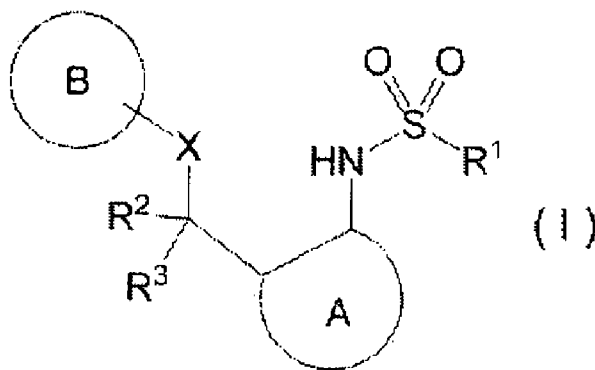
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(54) Title: SULFONAMIDE DERIVATIVE AND USE THEREOF



(57) Abstract: Provided is a compound having an AMPA receptor function enhancing action, and useful as a prophylactic or therapeutic drug for depression, Alzheimer's disease, schizophrenia, attention deficit hyperactivity disorder (ADHD) and the like. A compound represented by the formula (I): wherein each symbol is as defined in the present specification, or a salt thereof.



CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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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A. CLASSIFICATION OF SUBJECT MATTER  
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 C07D211/98 C07D309/14 C07D335/02 A61P25/28 A61P25/18  
 A61P25/22 A61P25/24 A61K31/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

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C07C C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/00206 A1 (DAIICHI SEIYAKU CO [JP]; PHARMACOPEIA INC [US]; BALDWIN JOHN J [US]; M) 4 January 2001 (2001-01-04) page 331; compound 156 -----	1,3-8,12
A	WO 2010/150192 A1 (PFIZER [US]; FLIRI ANTON FRANZ JOSEPH [US]; GALLASCHUN RANDALL JAMES [ ]) 29 December 2010 (2010-12-29) cited in the application examples -----	1-19

Further documents are listed in the continuation of Box C.

See patent family annex.

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\*&\* document member of the same patent family

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Information on patent family members

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