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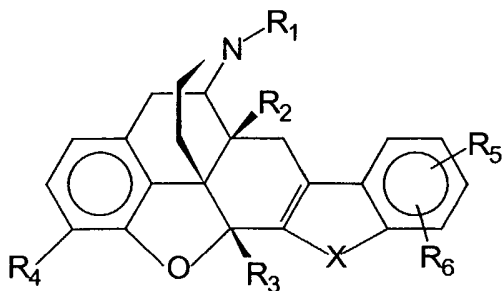
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: USE OF OPIOID RECEPTOR ANTAGONIST COMPOUNDS FOR THE PREVENTION AND/OR TREATMENT OF DISEASES ASSOCIATED WITH THE TARGET CALCINEURIN



(I)

(57) Abstract: Morphinane derivatives of the formula (I) their pharmaceutically acceptable salts are provided for use as medicaments for the treatment and/or prevention of disorders associated with the target calcineurin.

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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER					
INV.	A61K31/485	A61P29/00	A61P1/00	A61P17/00	A61P17/06
	A61P25/28	A61P37/08	A61P35/00	A61P9/00	A61P3/10
	A61P3/04	A61P27/06	A61P9/10		
According to International Patent Classification (IPC) or to both national classification and IPC					

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols) A61K A61P

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 practical, search terms used)
EPO-Internal, CHEM ABS Data, BIOSIS, EMBASE, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 95/31463 A (ASTRA AB ; SCHMIDHAMMER HELMUT (AT)) 23 November 1995 (1995-11-23) abstract page 7, line 8 - line 16; claims; examples -----	1-7,10, 12
X	SPETEA M ET AL: "Binding, pharmacological and immunological profiles of the delta-selective opioid receptor antagonist HS 378." LIFE SCIENCES. 31 AUG 2001, vol. 69, no. 15, 31 August 2001 (2001-08-31), pages 1775-1782, XP008035572 ISSN: 0024-3205	1-7,10, 12
Y	the whole document ----- -/--	11

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search 25 November 2005	Date of mailing of the international search report - 8. 03. 2006
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Hoff, P
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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2005/005176

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>WO 2004/026819 A (NAIR ANIL ; UNIV MISSOURI (US); WELSH WILLIAM J (US); YU SEONG JAE (US) 1 April 2004 (2004-04-01) abstract page 15, line 14 - page 16, line 2; claims; examples</p> <p>-----</p>	11
X	<p>EP 0 614 898 A (TORAY INDUSTRIES) 14 September 1994 (1994-09-14) abstract page 4, line 23 - line 25 page 62, line 15 - page 63, line 30; claims 1,11; example 25</p> <p>-----</p>	1,3-5,7, 12
A	<p>LAHSEN, JOAQUIN ET AL: "Structure-activity relationship study of nonpeptide .delta.-opioid receptor ligands" HELVETICA CHIMICA ACTA , 84(11), 3299-3305 CODEN: HCACAV; ISSN: 0018-019X, 2001, XP008035577 the whole document</p> <p>-----</p>	1-7, 10-12
A	<p>BIYASHEV, DAUREN ET AL: "Novel delta-opioid-receptor-selective ligands in the 14-alkoxy-substituted indolo- and benzofuromorphinan series" HELVETICA CHIMICA ACTA , 84(7), 2015-2021 CODEN: HCACAV; ISSN: 0018-019X, 2001, XP008035570 the whole document</p> <p>-----</p>	1-7, 10-12

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2005/005176

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-7, 10, 12 (all partially), 11

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-7 (partially),10 (partially),11,12 (partially)

Use of a compound of formula (I) for the treatment of a disorder susceptible to the inhibition of the target calcineurin which is an inflammatory intestinal disorder (colon irritable, Crohn's disease, colitis ulcerosa)

2. claims: 1-7 (partially),8,9,10 (partially),12 (partially)

Use of a compound of formula (I) for the treatment of a disorder susceptible to the inhibition of the target calcineurin which is a skin disorder, in particular neurodermatitis, psoriasis, pruritus, blepharitis, rosacea, erythema, lichen, atopic dermatitis, allergic contact dermatitis, scleroderma, and systemic sclerosis

3. claims: 1-7 (partially),10 (partially),12 (partially)

Use of a compound of formula (I) for the treatment of a disorder susceptible to the inhibition of the target calcineurin which is a neurodegenerative/CNS/psychic disorder, a nerve injury, stroke or multiple sclerosis

4. claims: 1-7 (partially),10 (partially),12 (partially)

Use of a compound of formula (I) for the treatment of a disorder susceptible to the inhibition of the target calcineurin which is allergic disorder not included in subject 2 and bronchial asthma

5. claims: 1-7 (partially),10 (partially)

Use of a compound of formula (I) for the treatment of a disorder susceptible to the inhibition of the target calcineurin which is cancer

6. claims: 1-7 (partially),10 (partially),12 (partially)

Use of a compound of formula (I) for the treatment of a disorder susceptible to the inhibition of the target calcineurin which is an intestinal tract disorder (as far as not included in invention 1) or ileus

7. claims: 1-7 (partially),10 (partially),12 (partially)

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Use of a compound of formula (I) for the treatment of a disorder susceptible to the inhibition of the target calcineurin which is a cardiovascular/heart/ischemic disorder, cardiac infarction, phlebitis or ascites

8. claims: 1-7 (partially),10 (partially)

Use of a compound of formula (I) for the treatment of a disorder susceptible to the inhibition of the target calcineurin which is diabetes mellitus and obesity

9. claims: 1-7 (partially),10 (partially),12 (partially)

Use of a compound of formula (I) for the treatment of a disorder susceptible to the inhibition of the target calcineurin which is glaucoma or uveitis

10. claims: 1-7 (partially),10 (partially)

Use of a compound of formula (I) for the treatment of a disorder susceptible to the inhibition of the target calcineurin which is addiction and drug abuse

11. claims: 1-7 (partially),10 (partially),13

Use of a compound of formula (I) for the treatment of a disorder susceptible to the inhibition of the target calcineurin which is a side-effect associated with the treatment with opioid analgesics

12. claims: 1-7 (partially),10 (partially),12 (partially)

Use of a compound of formula (I) for the treatment of a disorder susceptible to the inhibition of the target calcineurin which is inflammatory myopathies

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2005/005176

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