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3 September 1998 (03.09.98)

(54) Title: THE TOPICAL USE OF KAPPA OPIOID AGONISTS TO TREAT OCULAR PAIN

(57) Abstract

Compositions and methods for treating ocular pain are disclosed. In particular, the invention discloses compositions and methods of using kappa opioid agonists topically for the prevention or alleviation of ocular pain.

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INTERNATIONAL SEARCH REPORT

International Application No
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A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 A61K31/00 A61K31/135 A61K31/40 A61K31/55 A61K31/485
A61K31/54 A61K31/435 A61K31/495

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)
IPC 6 A61K

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	UEDA ET AL.: "Dual effects of dynorphin-(1-13) on cholinergic and substance P-ergic transmissions in the rabbit iris sphincter muscle" J. PHARMACOL. EXP. THER., vol. 232, no. 2, 1985, pages 545-550, XP002068159 see the whole document ---	4
X	BARBER A ET AL: "A PHARMACOLOGICAL PROFILE OF THE NOVEL, PERIPHERALLY-SELECTIVE K-OPIOID RECEPTOR AGONIST, EMD 61753" BRITISH JOURNAL OF CLINICAL PHARMACOLOGY, vol. 113, no. 4, 1994, pages 1317-1327, XP000611241 see the whole document ---	1-3
A	-/--	4-6

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

° Special categories of cited documents :

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Date of the actual completion of the international search	Date of mailing of the international search report
16 June 1998	02.07.98

Name and mailing address of the ISA	Authorized officer
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GOTTSCHLICH R ET AL: "THE PERIPHERALLY ACTING K-OPIATE AGONIST EMD 61753 AND ANALOGUES: OPIOID ACTIVITY VERSUS PERIPHERAL SELECTIVITY" DRUGS UNDER EXPERIMENTAL AND CLINICAL RESEARCH, vol. 21, no. 5, 1995, pages 171-174, XP000609171 cited in the application see the whole document	1-3
A	---	4-6
X	WO 94 13275 A (MASSACHUSSETTS EYE AND EAR INFIRMARY) 23 June 1994 see page 14 boxes 3 and 4 of Table 2 see page 11	1,2

X	EP 0 346 238 A (RHONE-POULENC SANTE) 13 December 1989 see page 2, line 25 - line 38 see page 38 lines 21, 44-48	1

A	EP 0 657 443 A (SANKYO COMPANY LIMITED) 14 June 1995 see lines 8-9, 20-24	1-8

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 97/23185

Box I Observations where certain claims were found unsearchable (Continuation of item 1 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. [X] Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 4-9 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

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 II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

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

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.:

Remark on Protest

[ ] The additional search fees were accompanied by the applicant's protest.

[ ] No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US 97/23185

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