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(54) Title: NOVEL DICLOFENAC ESTERS AND USES THEREOF

(57) Abstract: The present invention relates to novel cycloalkyl alkyl and fluoroalkyl esters of diclofenac that more readily penetrate membrane systems than diclofenac (acid) or prior art esters of diclofenac. Pharmaceutical compositions comprising these esters as well as methods for treating inflammatory conditions using the latter compositions are also disclosed.

INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. C07C229/60 A61K31/245 A61P29/00

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)
C07C 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, WPI 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.
A	WHITEHOUSE, M. W. ET AL: "Esterification of acidic antiinflammatory drugs suppresses their gastrotoxicity without adversely affecting their antiinflammatory activity in rats" JOURNAL OF PHARMACY AND PHARMACOLOGY 32(11), 795-6 CODEN: JPPMAB; ISSN: 0022-3573, 1980, XP009110344 the whole document ----	1-11
A	DOH, HEA-JEONG ET AL: "Rat skin permeation of diclofenac and its prodrugs" YAKCHE HAKHOECHI , 31(2), 95-100 CODEN: YAHAEX; ISSN: 0259-2347, 2001, XP009110345 abstract; table II ----	1-11

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[X] Further documents are listed in the continuation of Box C. [X] See patent family annex.

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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.
A	AU 514 991 B2 (UNIVERSITY OF TASMANIA, AUSTRALIA; AUSTRALIA, COMMONWEALTH OF) 12 March 1981 (1981-03-12) the whole document	1-11
A	GB 1 132 318 A (GEIGY AG J R) 30 October 1968 (1968-10-30) examples 2,11	1-11

INTERNATIONAL SEARCH REPORT

Information on patent family members

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