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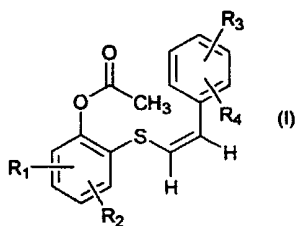
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(54) Title: (Z)-STYRYL ACETOXYPHENYL SULFIDES AS CYCLOOXYGENASE INHIBITORS



(57) Abstract: Compounds of formula (I) are provided wherein R₁, R₂, R₃ and R₄ are independently selected from the group consisting of hydrogen, halogen, hydroxyl, C₁-C₈ alkyl, C₁-C₆ alkoxy, nitro, cyano, acetoxy, amino, carboxy, sulfamyl, lower acylsulfamyl and trifluoromethyl. The compounds are inhibitors of cyclooxygenase-2 activity, useful for treating inflammation and cyclooxygenase-mediated disorders.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US00/16725

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 31/215, 31, 275; C07C 67/02, 69/02, 381/00
US CL : 514/508, 522, 524, 525; 560/231, 255, 254; 568/23, 24, 25

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)

U.S. : 514/508, 522, 524, 525; 560/231, 255, 254; 568/23, 24, 25

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)
Please See Extra Sheet.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 09,003,037 (TAIHO PHARMACEUTICAL CO., LTD.) 07 JANUARY 1997	1
A, P	US 6,025,353 A (MASFERRER et al) 15 February 2000, col. 1, line 9 - col. 3, line 67	1

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

* Special categories of cited documents:	*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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
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"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		

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INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED

Electronic data bases consulted (Name of data base and where practicable terms used):

CA PLUS, CA OLD, CA REG, West 2.0, PLUS

Structure searches

Search terms: Cyclooxygenase, inhibitor, acetoxyphenyl, styryl, sulfide, thoi, sulfamyl, phenyl, benzene