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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.*



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(54) Title: SYNTHESIS OF (R)-3-(4-BROMOBENZYL)-1-(3,5-DICHLOROPHENYL)-5-iodo-3-methyl-1-H-imidazo[1,2-a]imidazol-2-one

(57) Abstract: A novel process for the preparation of (R)-3-(4-Bromobenzyl)-1-(3,5-dichlorophenyl)-5-iodo-3-methyl-1-H-imidazo[1,2-a]imidazol-2-one (I). This compound is useful as an intermediate in the preparation of certain small molecules that are useful in the treatment or prevention of inflammatory and immune cell-mediated diseases. The present invention also relates to certain intermediates used in this novel process.

INTERNATIONAL SEARCH REPORT

In ational Application No

PCT/US 01/23996

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D487/04 C07D233/88 C07F9/6596 C07C275/24 C07C273/18
 //(C07D487/04,235:00,235:00)

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)

IPC 7 C07D C07F C07C

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,P	WO 01 07440 A (BOEHRINGER INGELHEIM PHARMA; EMEIGH JONATHAN EMILIAN (US); GOLDBER) 1 February 2001 (2001-02-01) claim 20 page 5, lines 1-13; page 6, line 8; page 100, compound 2; page 112, compound 2; page 190, compound 185 ---	1,21,24, 27
A	KOO LEE ET AL: "The Reaction of Vinyl Phosphates with Iodotrimethylsilane: Synthesis of Vinyl Iodides from Ketones" TETRAHEDRON LETTERS, vol. 34, no. 15, 1993, pages 2433-6, XP002194538 cited in the application page 2433, equation 1 --- -/--	1,21

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in 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

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In ternational Application No

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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	H. TAKAHATA ET AL: "An Asymmetric Total Synthesis of (-)-Supinidine" TETRAHEDRON, vol. 47, no. 36, 1991, pages 7635-44, XP002194539 cited in the application page 7637 -----	1,25,26
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A	US 5 484 802 A (PATEL BOMI P ET AL) 16 January 1996 (1996-01-16) columns 3, 4, compound (VI) -----	29

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/23996

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