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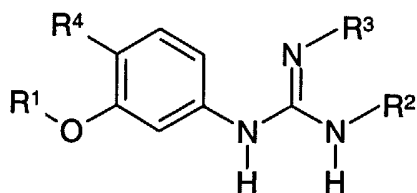
(43) International Publication Date  
5 June 2003 (05.06.2003)

PCT

(10) International Publication Number  
WO 03/045901 A3

- (51) International Patent Classification<sup>7</sup>: C07D 263/32, 413/12, 417/12, A61P 35/02, A61K 31/427, 31/421, 31/422
- (21) International Application Number: PCT/GB03/00339
- (22) International Filing Date: 28 January 2003 (28.01.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 0208224.6 10 April 2002 (10.04.2002) GB
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
- with international search report
  - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
  - upon request of the applicant, before the expiration of the time limit referred to in Article 21(2)(a)
- (88) Date of publication of the international search report: 31 July 2003
- 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: GUANIDINE DERIVATIVES



(1)

(57) Abstract: Guanidine derivatives of formula (I) are described: wherein: R<sup>1</sup> is an aliphatic, cycloaliphatic or cycloalkyl-alkyl- group; R<sup>2</sup> is an optionally substituted aromatic, heteroaromatic group, aryl-fused cycloaliphatic, heteroaryl-fused cycloaliphatic, aryl-fused heterocycloaliphatic or heteroaryl-fused heterocycloaliphatic group; R<sup>3</sup> is a -CN, -COR<sup>5</sup>, -OR<sup>6</sup>, -CON(R<sup>7</sup>)R<sup>8</sup>, SO<sub>2</sub>R<sup>5</sup> or SO<sub>2</sub>N(R<sup>7</sup>)R<sup>8</sup> group; R<sup>4</sup> is an optionally substituted heteroaromatic group; and the salts, solvates, hydrates, tautomers, isomers, N-oxides thereof. The compounds are potent inhibitors of IMPDH and are of use as immunosuppressants, anti-cancer agents, anti-inflammatory agents, antipsoriatic and anti-viral agents.

## INTERNATIONAL SEARCH REPORT

 Internati Application No  
 PCT/GB 03/00339

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 C07D263/32 C07D413/12 C07D417/12 A61P35/02 A61K31/427  
 A61K31/421 A61K31/422

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 A61K 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, WPI Data, PAJ, BEILSTEIN Data, 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.
X	US 6 054 472 A (ARMISTEAD DAVID M ET AL) 25 April 2000 (2000-04-25) cited in the application tables	1-16
P,X	US 6 420 403 B1 (IWANOWICZ EDWIN J ET AL) 16 July 2002 (2002-07-16) column 28, structure 2a.2 examples 18,34-41,43	1-16
A	WO 01 04102 A (PLE PATRICK ;HENNEQUIN LAURENT FRANCOIS AND (FR); LAMBERT CHRISTIN) 18 January 2001 (2001-01-18) cited in the application page 1, line 1 -page 2, line 19 page 140, line 1 -page 144, line 5	1-16
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

28 May 2003

Date of mailing of the international search report

13/06/2003

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Internal	Application No
PCT/GB 03/00339	

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 97 45108 A (CHILDRENS HOSP MEDICAL CENTER) 4 December 1997 (1997-12-04) page 3, line 5 - line 11 claims <div style="text-align: center; margin-top: 10px;">-----</div>	1-16

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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