

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 March 2003 (27.03.2003)

PCT

(10) International Publication Number
WO 2003/024974 A3

(51) International Patent Classification⁷: **C07D 493/04** //
(C07D 493/04, 307:00, 307:00), 493/04 // (C07D 397/00,
305:00)

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(21) International Application Number:
PCT/US2002/029315

(22) International Filing Date:
16 September 2002 (16.09.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/323,692 20 September 2001 (20.09.2001) US

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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, SD, SE, SG,
SI, 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, IE, IT, LU, MC, NL, PT, SE, 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

(88) Date of publication of the international search report:
29 July 2004

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: PROCESS FOR PREPARING PROTEASE INHIBITOR INTERMEDIATES

(57) Abstract: The present invention includes a method for preparing cyclic alcohols. The method includes a reduction, deprotection, and rearrangement scheme. The present invention further provides a method of preparation of an intermediate useful in the synthesis of compounds that function as inhibitors of the aspartyl protease enzyme of human immunodeficiency virus (HIV).



WO 2003/024974 A3

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 02/29315

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D493/04 //(C07D493/04, 307:00, 307:00), (C07D493/04, 397:00, 305:00)

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

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)

CHEM ABS Data, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SCHREIBER, STUART L. ET AL: "The furan-carbonyl photocycloaddition reaction: determination of the absolute stereostructure of asteltoxin" TETRAHEDRON LETTERS (1986), 27(23), 2575-8 ' XP009006215 page 2577	1
X	SCHREIBER, STUART L. ET AL: "Use of unsymmetrically substituted furans in the furan-carbonyl photocycloaddition reaction. Synthesis of a kadsurenone-ginkgolide hybri" TETRAHEDRON LETTERS (1988), 29(51), 6689-92 XP009006216 See scheme on page 6691 -/-	1

☒ 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

21 February 2003

Date of mailing of the international search report

05/03/2003

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/29315

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 94 26749 A (MERCK & CO INC) 24 November 1994 (1994-11-24) cited in the application Scheme IV ----	1-15
A	GHOSH A K ET AL: "Nonpeptidal P2 Ligands for HIV protease Inhibitors: Structure-Based Design Synthesis and Biological Evaluation" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 39, 1996, pages 3278-3290, XP002193358 ISSN: 0022-2623 Schemes 1 to 7 -----	1-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 02/29315

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9426749	A	24-11-1994	AU	6828894 A		12-12-1994
			WO	9426749 A1		24-11-1994