

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
10 December 2009 (10.12.2009)

(10) International Publication Number  
**WO 2009/148600 A3**

(51) International Patent Classification:

C07C 311/41 (2006.01) A61K 31/661 (2006.01)  
A61K 31/63 (2006.01) C07F 9/141 (2006.01)

(21) International Application Number:

PCT/US2009/003391

(22) International Filing Date:

4 June 2009 (04.06.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/059,556 6 June 2008 (06.06.2008) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(88) Date of publication of the international search report:

15 April 2010

(15) Information about Correction:

Previous Correction:

see Notice of 25 February 2010

(54) Title: DEUTERATED LYSINE-BASED COMPOUNDS

(57) Abstract: This invention relates to novel lysine-based compounds, their derivatives, pharmaceutically acceptable salts, solvates, and hydrates thereof. This invention also provides compositions comprising a compound of this invention and the use of such compositions in methods of treating diseases and conditions that are beneficially treated by administering an HIV protease inhibitor.



WO 2009/148600 A3

# INTERNATIONAL SEARCH REPORT

International application No PCT/US2009/003391
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**A. CLASSIFICATION OF SUBJECT MATTER**  
 INV. C07C311/41      A61K31/63      A61K31/661      C07F9/141

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**

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, BEILSTEIN Data, WPI 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 2006/025592 A1 (STRANIX BRENT R [CA] ET AL STRANIX BRENT RICHARD [CA] ET AL) 2 February 2006 (2006-02-02)	1-22
Y	abstract examples 1, 2 table 3 paragraph [0029] claims 1-80	1-22
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Further documents are listed in the continuation of Box C.

See patent family annex.

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Date of the actual completion of the international search

Date of mailing of the international search report

8 December 2009

18/01/2010

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## INTERNATIONAL SEARCH REPORT

International application No

PCT/US2009/003391

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	abstract page 25; compound IIIB page 26 - page 27; compounds PL-462 page 6, line 16 - page 7, line 5 examples 1A, 1B, 2 table 3 page 51, line 7 - page 54, line 25 claims 1-67	1-22
X	WO 2006/012725 A1 (PROCYON BIOPHARMA INC [CA]) 9 February 2006 (2006-02-09) cited in the application	1-22
Y	abstract examples 1, 2 page 61; compounds PL-100 table 3 page 7, lines 9-17 claims 1-81	1-22
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Y	abstract examples 1, 2 claims 1-71	1-22
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Y	abstract examples 1, 2 claims 1-18	1-22
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Y	abstract example 34 table 1 claims 1-62	1-22
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International application No  
PCT/US2009/003391

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	abstract compound 13 tables 1-3	1-22
Y	----- WO 95/26325 A2 (ISOTECHNIKA INC [CA]) 5 October 1995 (1995-10-05) abstract page 1, line 9 - line 15 page 19, line 8 - line 14 claim 1	1-22
Y	----- US 2002/094995 A1 (FOSTER ROBERT T [CA] ET AL) 18 July 2002 (2002-07-18) paragraph [0001] claims 1, 2	1-22
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