

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
2 December 2004 (02.12.2004)

PCT

(10) International Publication Number
WO 2004/104031 A3

(51) International Patent Classification⁷: **A61K 39/21**,
C07K 7/02

(21) International Application Number:
PCT/EP2004/005563

(22) International Filing Date: 20 May 2004 (20.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0311565.6 20 May 2003 (20.05.2003) GB
0319514.6 20 August 2003 (20.08.2003) GB

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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, HU, IE, IT, LU, MC, NL, 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
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
24 February 2005

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: MODIFIED ANTIVIRAL PEPTIDES WITH INCREASED ACTIVITY AND CELL MEMBRANE AFFINITY

(57) Abstract: The activity and cell membrane affinity of certain antiviral multiple branch peptide constructions, including those known from WO 95/07929, WO 98/29443 and WO 03/95479, can be improved by bonding to the C-end of the peptide a terminator which is either (a) an ω -amino-fatty acid having from 4 to 10 carbon atoms and from 0 to 2 carbon-carbon double bonds or (b) a peptidic cell membrane penetrating agent. The improvement is so marked that in some cases the number of branches can be reduced, sometimes to a single branch, and/or that the branches may be shortened. The preferred ω -amino-fatty acids are γ -aminobutyric acid, δ -aminovaleric acid and ϵ -aminocaproic acid. The peptidic cell membrane penetrating agent is suitably a TAT-derived peptide, penetratin® or Kpam.



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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/005563

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K39/21 C07K7/02

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 A61K C07K

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	WO 98/29443 A (MABROUK KAMEL ; ROCHAT HERVE (FR); RIETSCHOTEN JURPHAAS VAN (FR); SABA) 9 July 1998 (1998-07-09) cited in the application page 2, paragraphs 3,4 -----	1, 4-8, 10-14
Y	WO 99/25381 A (UNIV SOUTH CAROLINA) 27 May 1999 (1999-05-27) page 18, line 19 - page 19, line 10 ----- -/--	1-13



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Patent family members are listed in annex.

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Date of the actual completion of the international search

7 December 2004

Date of mailing of the international search report

16/12/2004

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Page, M

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/005563

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Information on patent family members

International Application No

PCT/EP2004/005563

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