

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 September 2006 (08.09.2006)

PCT

(10) International Publication Number
WO 2006/092722 A1

(51) International Patent Classification:
C07D 471/04 (2006.01) **A61K 38/04** (2006.01)
C07K 5/00 (2006.01)

(21) International Application Number:
PCT/IB2006/000460

(22) International Filing Date: 3 March 2006 (03.03.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
MI2005A000328 3 March 2005 (03.03.2005) IT

(71) Applicant (for all designated States except US): **UNIVERSITA' DEGLI STUDI MILANO** [IT/IT]; Via Festa del Perdono, 7, I-20122 Milano (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SCOLASTICO, Carlo** [IT/IT]; c/o Dipartimento di Chimica Organica e Industriale, Via Venezian, 21, I-20133 Milan (IT). **MANZONI, Leonardo** [IT/IT]; c/o C.N.R. - ISTMI, Via Venezian, 21, I-20133 Milan (IT). **AROSIO, Daniela** [IT/IT]; c/o C.N.R., Via Venezian, 21, I-20133 Milan (IT).

(74) Agent: **TRUPIANO, Federica**; Mariett, Gislon e Trupiano S.r.l., Via Larga, 16, I-20122 Milan (IT).

(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, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, 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, IS, IT, LT, LU, LV, 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

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: PEPTIDOMIMETIC COMPOUNDS AND PREPARATION OF BIOLOGICALLY ACTIVE DERIVATIVES

(57) Abstract: The invention relates to novel cyclic peptidomimetic compounds containing the sequence RGD for the preparation of appropriately functionalised antagonists of $\alpha\text{v}\beta 3$ and $\alpha\text{v}\beta 5$ integrins, and intended, for example, for the treatment of altered angiogenic phenomena or for the preparation of diagnostically useful compounds.

WO 2006/092722 A1