(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
30 May 2003 (30.05.2003)

PCT

(10) International Publication Number
WO 03/044000 A1

(51) International Patent Classification[7]: C07D 285/08, 285/135, A61K 31/433, A61P 3/00, 9/12, 19/10, 25/00, 27/06, 29/00, 31/00

(21) International Application Number: PCT/SE02/02139

(22) International Filing Date:
22 November 2002 (22.11.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

0103913-0	22 November 2001 (22.11.2001)	SE
0104051-8	30 November 2001 (30.11.2001)	SE
60/348,468	14 January 2002 (14.01.2002)	US

(71) Applicant *(for all designated States except US)*: **BIOVITRUM AB** [SE/SE]; S-112 76 Stockholm (SE).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **WILLIAMS, Meredith** [GB/SE]; Danmark Edeby, S-755 98 Uppsala (SE). **KURZ, Guido** [DE/SE]; Möregatan 10, 6 tr, S-118 27 Stockholm (SE). **NILSSON, Marianne** [SE/SE]; Pl 2654 Ubby, S-762 94 Rimbo (SE). **VALLGÅRDA, Jerk** [SE/SE]; Kronparksvägen 15, S-757 52 Uppsala (SE).

(74) Agent: **ALBIHNS STOCKHOLM AB**; Box 5581, S-114 85 Stockholm (SE).

(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, VN, YU, ZA, ZM, ZW.

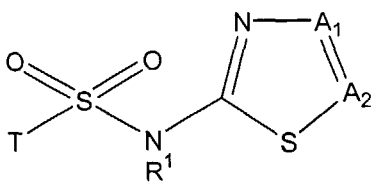
(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

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.

WO 03/044000 A1

(54) Title: INHIBITORS OF 11-BETA-HYDROXY STEROID DEHYDROGENASE TYPE 1



(I)

(57) Abstract: The present invention relates to compounds with the formula (I), and also to pharmaceutical compositions comprising the compounds, as well as to the use of the compounds in medicine and for the preparation of a medicament which acts on the human 11-b-hydroxysteroid dehydrogenase type 1 enzyme.