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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
5 April 2001 (05.04.2001)

PCT

(10) International Publication Number
WO 01/23406 A1

(51) International Patent Classification[7]: C07J 71/00, A61K 31/58, A61P 25/28, 25/14, 25/16

(21) International Application Number: PCT/GB00/03737

(22) International Filing Date:
29 September 2000 (29.09.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
9923076.5 29 September 1999 (29.09.1999) GB

(71) Applicant *(for all designated States except US)*: PHYTOPHARM PLC [GB/GB]; Corpus Christi House, 9 West Street, Godmanchester, Cambridgeshire PE18 8HG (GB).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: BARRACLOUGH, Paul [GB/GB]; 27 Sevington Park, Loose, Maidstone, Kent ME15 9SB (GB). HANSON, Jim [GB/GB]; 13 Ingram Road, Steyning, West Sussex BN44 3PF (GB). GUNNING, Phil [GB/GB]; 16 Sladwell Close, Grantchester, Cambs. CB3 9NP (GB). REES, Daryl [GB/GB]; 4 Hazels Hall, Everton Road, Sandy SG19 2DD (GB). XIA, Zongqin [CN/CN]; Flat 403, Block 8, 1 Jian-De Road, Shanghai 200025 (CN). HU, Yaer [CN/CN]; Flat 1209, Block 1, Lane 357, Ma-Dang Road, Shanghai 200025 (CN). TOBIN, Andrew [GB/GB]; 16 Meadvale Road, Leicester LE2 3WJ (GB).

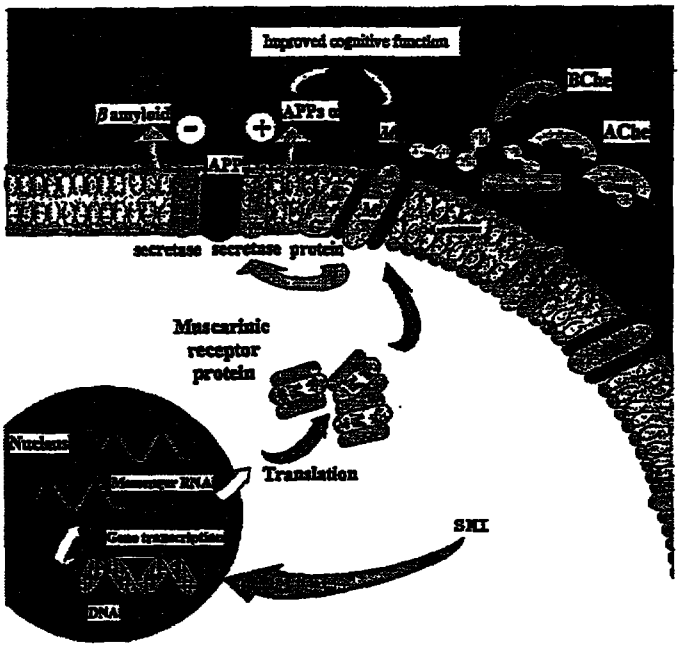
(74) Agent: ABRAMS, Michael, John; Haseltine Lake & Co, Imperial House, 15-19 Kingsway, London WC2B 6UD (GB).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, 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, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

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

[Continued on next page]

(54) Title: 5-BETA-SAPOGENIN AND PSEUDOSAPOGENIN DERIVATIVES AND THEIR USE IN THE TREATMENT OF DEMENTIA



(57) Abstract: The invention discloses the use of sapogenin derivatives in the treatment of cognitive disfunction and similar conditions. Methods of treatment and pharmaceutical composition are also disclosed.

WO 01/23406 A1

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.