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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
10 November 2005 (10.11.2005)

PCT

(10) International Publication Number
WO 2005/105825 A2

(51) International Patent Classification[7]: C07J 71/00

(21) International Application Number:
PCT/GB2005/001635

(22) International Filing Date: 28 April 2005 (28.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0409567.5 28 April 2004 (28.04.2004) GB

(71) Applicant *(for all designated States except US)*: **PHYTOPHARM PLC** [GB/GB]; Corpus Christi House, 9 West Street, Godmanchester, Cambridgeshire PE29 2HY (GB).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **TIFFIN, Peter, David** [GB/GB]; Phytopharm plc, Corpus Christi House, 9 West Street, Godmanchester, Cambridgeshire PE29 2HY (GB).

(74) Agent: **BROWN, David, Leslie**; Haseltine Lake, Redcliff Quay, 120 Redcliff Street, Bristol BS1 6HU (GB).

(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, 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, 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, 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:
— *without international search report and to be republished upon receipt of that 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 2005/105825 A2

(54) Title: CHEMICAL COMPOUNDS

(57) Abstract: The invention provides smilagenin in novel amorphous, crystalline, hydrated and solvated forms, and the use thereof in manufacturing pharmaceutical or edible grade smilagenin and its derivatives.