PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION

International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International patent classification[7]: C07D 211/58, A61K 31/445 — A1

(11) International publication number: WO 00/07987

(43) International publication date: 17 February 2000 (17.02.00)

(21) International application number: PCT/FR99/01914

(22) International filing date: 3 August 1999 (03.08.99)

(30) Data relating to the priority:
98/10,107 5 August 1998 (05.08.98) FR

(71) Applicant (for all designated States except US): SANOFI-SYNTHELABO [FR/FR]; 174, avenue de France, F-75013 Paris (FR).

(72) Inventors; and

(75) Inventors/Applicants (US only): ALCADE, Alain [FR/FR]; 10, avenue Lamartine, F-31100 Toulouse (FR). ANNE-ARCHARD, Gilles [FR/FR]; 86, avenue Raymond Naves, F-31000 Toulouse (FR). GROSCLAUDE, Patrick [FR/FR]; Chemin de l'Eglise, F-31450 Belberaud (FR). MONNIER, Olivier [FR/FR]; 20, route de Poussan, F-34560 Villeveyrac (FR). ROCHE, Jérôme [FR/FR]; Résidence la Pinède, 151, rue du Plo Midi, F-34730 Prades Le Lez (FR).

(74) Representative: THOURET-LEMAITRE, Elisabeth; Sanofi-Synthelabo, 174, avenue de France, F-75013 Paris (FR).

(81) Designated states: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO Patent (GH, GM, KE, LS, MW, SD, SL, SZ, 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).

Published
With the International Search Report.

As printed

(54) Title: CRYSTALLINE FORMS OF OSANETANT

(54) Titre: FORMES CRISTALLINES DU OSANETANT

(57) Abstract

The invention concerns a method for preparing crystalline forms I and II of (R)-(+)-N-[[3-[1-benzoyl-3-(3,4-dichlorophenyl)piperidin-3-yl]prop-1-yl]-4-phenyl piperidin-4-yl]-N-methylacetamide (osanetant), and said crystalline forms of osanetant. Preferably, the osanetant to be crystallised is prepared from its benzenesulphonate.

(57) Abrégé

L'invention concerne un procédé pour la préparation des formes cristallines I et II du (R)-(+)-N-[[3-[1-benzoyl-3-(3,4-dichlorophényl)pipéridin-3-yl]prop-1-yl]-4-phényl pipéridin-4-yl]-N-méthylacétamide (osanétant), ainsi que lesdites formes cristallines I et II de l'osanétant. Préférentiellement, l'osanétant à cristalliser est préparé à partir de son benzènesulfonate.