PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : A61K 31/00	A2	(11) International Publication Number: WO 00/30624
		(43) International Publication Date: 2 June 2000 (02.06.00)

(21) International Application Number: PCT/EP99/08795

(22) International Filing Date: 16 November 1999 (16.11.99)

(30) Priority Data:
98122419.9 26 November 1998 (26.11.98) EP

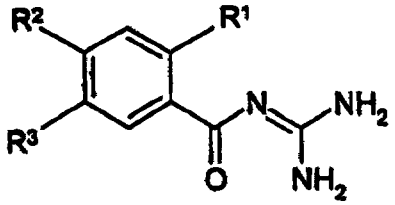
(71) Applicant *(for all designated States except US)*: MERCK PATENT GMBH [DE/DE]; Frankfurter Strasse 250, D-64293 Darmstadt (DE).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: GERICKE, Rolf [DE/DE]; Mozartweg 19, D-64342 Seeheim (DE). BAUMGARTH, Manfred [DE/DE]; Sachsenstrasse 53, D-64297 Darmstadt (DE). MINCK, Klaus [DE/DE]; Büchestrasse 8, D-64372 Ober-Ramstadt (DE). MESANGEAU, Didier [FR/FR]; 5, rue Auguste Renoir, F-77380 Combs la Ville (FR). DOARE, Liliane [FR/FR]; 3, avenue Marmont, F-91170 Viry Châtillon (FR). KERGOAT, Micheline [FR/FR]; 5, Villa des Bois, F-91440 Bures sur Yvette (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, 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).

Published
Without international search report and to be republished upon receipt of that report.

(54) Title: USE OF BENZOYLGUANIDINES FOR THE TREATMENT OF NON-INSULIN-DEPENDENT DIABETES MELLITUS



(I)

(57) Abstract

The invention relates to the use of benzoylguanidines of formula (I) wherein R^1 is A; R^2 is Het, $C_nF_mH_{2n+1-m}O_p$, R^4, OR^4, OH, benzyl, CN, Hal, SO_q-R^5, Ph, O-Ph, O-Het, NH-Het, NH_2, NHA, NA_2 or NH-Ph; R^3 is SO_2A'; R^4 is a straight-chain or branched alkyl radical having 1 to 8 C atoms or cycloalkyl having 3 to 8 C atoms which can be unsubstituted or mono-, di- or trisubstituted by A; R^5 is A or Ph; A, A' in each case independently of one another are alkyl having 1 to 6 C atoms; Het is a mono- or bicyclic saturated, unsaturated or aromatic heterocycle having from 1 to 4 N, O and/or S atoms, which can be substituted once, twice or three times by Hal, CF_3, A, CN, NO_2, NH_2 and/or carbonyl oxygen; Hal is F, Cl, Br or I; Ph is unsubstituted phenyl or substituted once, twice or three times by A, OA, Hal, CF_3, NH_2, NHA or NA_2; m is 1, 2, 3, 4, 5, 6, 7, but at most 2n+1; n is 1, 2 or 3; p is 0 or 1; q is 0, 1 or 2, and/or their physiologically acceptable salts and solvates for the production of a medicament for the treatment of non-insulin-dependent diabetes mellitus.