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(21) International Application Number: PCT/EP98/08051 (22) International Filing Date: 10 December 1998 (10.12.98) (30) Priority Data: 97122520.6 19 December 1997 (19.12.97) EP (71) Applicants (for all designated States except US): HOECHST MARION ROUSSEL DEUTSCHLAND GMBH [DE/DE]; Brüningstrasse 50, D-65929 Frankfurt am Main (DE). GENENTECH, INC. [US/US]; 1 DNA Way, South San Francisco, CA 94080-4990 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): PEYMAN, Anuschirwan [DE/DE]; Zeilheimer Strasse 46, D-65779 Kelkheim (DE). KNOLLE, Jochen [DE/DE]; Höchstler Strasse 21, D-65830 Krfitel (DE). BREIPOHL, Gerhard [DE/DE]; Geisenheimer Strasse 95, D-60529 Frankfurt (DE). SCHEUNEMANN, Karl-Heinz [DE/DE]; Im Kohlruß 11, D-65835 Liederbach (DE). CARNIATO, Denis [FR/FR]; 10, avenue de l'Étang Neuf, F-91460 Marcoussis (FR). GOURVEST, Jean-François [FR/FR]; 12, rue de la Biberonne, F-77140 Claye Souilly (FR). GADEK, Thomas [US/US]; 2838 Chelsea Drive, Oakland, CA 94611 (US). MCDOWELL, Robert [US/US]; 1264 Church Street, San Francisco, CA		94114 (US). BODARY, Sarah, Catherine [US/US]; 3530 Crestmoor Drive, San Bruno, CA 94066 (US). CUTHBERTSON, Robert, Andrew [AU/AU]; 75 Ras Street, North Fitzroy, VIC 3068 (AU). FERRARA, Napoleane [US/US]; 2090 Pacific Avenue #704, San Francisco, CA 94109 (US). (81) Designated States: 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, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, 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 <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: NOVEL ACYLGUANIDINE DERIVATIVES AS INHIBITORS OF BONE RESORPTION AND AS VITRONECTIN RECEPTOR ANTAGONISTS (I) (57) Abstract The present invention relates to acylguanidine derivatives of formula (I) in which R¹, R², R⁴, R⁵, R⁶, A, m and n have the meanings indicated in the patent claims, their physiologically tolerable salts and their prodrugs. The compounds of formula (I) are valuable pharmaceutical active ingredients. They are vitronectin receptor antagonists and inhibitors of bone resorption by osteoclasts and are suitable, for example, for the therapy or prophylaxis of diseases which are caused at least partially by an undesired extend of bone resorption, for example of osteoporosis. The invention furthermore relates to processes for the preparation of compounds of formula (I), their use, in particular as pharmaceutical active ingredients, and pharmaceutical preparations comprising them.		