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(21) International Application Number: PCT/US99/09466 (22) International Filing Date: 30 April 1999 (30.04.99) (30) Priority Data: 60/083,575 30 April 1998 (30.04.98) US (71) Applicant: TANOX, INC. [US/US]; 10301 Stella Link, Houston, TX 77025 (US). (72) Inventors: NI, Baofu; Apartment No. 770, 5414 Braesvalley, Houston, TX 77096 (US). SUN, Bill, N., C.; 4901 Welford Drive, Bellaire, TX 77041 (US). SUN, Cecily, R., Y.; 4901 Welford Drive, Bellaire, TX 77041 (US). (74) Agent: MIRABEL, Eric; Tanox, Inc., 10301 Stella Link, Houston, TX 77025 (US).		(81) Designated States: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, 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 <i>With international search report.</i> <i>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: G-CSF RECEPTOR AGONIST ANTIBODIES AND SCREENING METHOD THEREFOR (57) Abstract The invention relates to agonist molecules which specifically bind to or interact with human G-CSF receptor and dimerize the receptor or activate phosphorylation of kinases associated with the receptor to stimulate cell proliferation and differentiation. Such agonist molecules include monoclonal antibodies, or fragments, homologues or analogues thereof, or peptides or organic compounds. Two examples of mouse monoclonal agonist antibodies are disclosed: mAb163-93 and mAb174-74-11.		