RTMP's copy

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : C07D 401/04, 401/14, 401/12, A61K 31/44, 31/495 — A1

(11) International Publication Number: WO 97/23478

(43) International Publication Date: 3 July 1997 (03.07.97)

(21) International Application Number: PCT/US96/19603

(22) International Filing Date: 19 December 1996 (19.12.96)

(30) Priority Data:
08/577,951 22 December 1995 (22.12.95) US
08/615,760 13 March 1996 (13.03.96) US

(71) Applicant: SCHERING CORPORATION [US/US]; 2000 Galloping Hill Road, Kenilworth, NJ 07033 (US).

(72) Inventors: DOLL, Ronald, J.; 126 Union Avenue, Maplewood, NJ 07040 (US). KELLY, Joseph, M.; 112 Princeton Road, Parlin, NJ 08859 (US). NJOROGE, F., George; 2597 Juliat Place, Union, NJ 07083 (US). MALLAMS, Alan, K.; 147 Kings Highway, Hackettstown, NJ 07840 (US). REMISZEWSKI, Stacy, W.; 147 Honeysuckle Drive, Washington Township, NJ 07675 (US). TAVERAS, Arthur, G.; 43 Crestwood Road, Rockaway, NJ 07866 (US).

(74) Agents: JEANETTE, Henry, C. et al.; Schering-Plough Corporation, Patent Dept. K-6-1 1990, 2000 Galloping Hill Road, Kenilworth, NJ 07033-0530 (US).

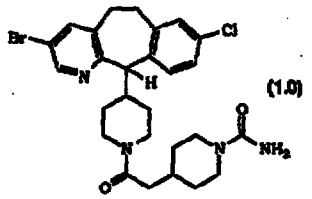
(81) Designated States: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CZ, EE, GE, HU, IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

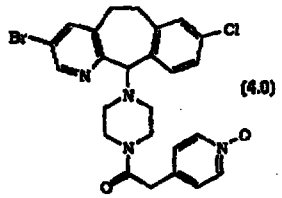
Published
With international search report.
Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

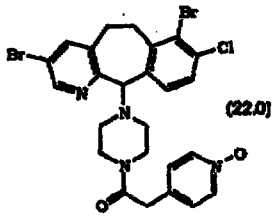
(54) Title: TRICYCLIC AMIDES USEFUL FOR INHIBITION OF G-PROTEIN FUNCTION AND FOR TREATMENT OF PROLIFERATIVE DISEASES

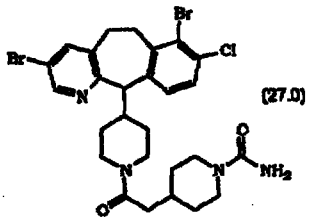
(57) Abstract

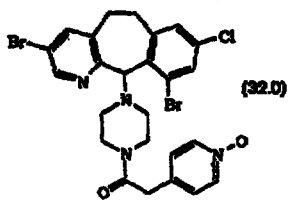
Novel compounds, such as formulae (1.0), (4.0), (22.0), (27.0), (32.0) and (39.0) are disclosed. Also disclosed are methods for inhibiting the abnormal growth of cells, for inhibiting farnesyl protein transferase and for treating cancers using the novel compounds.

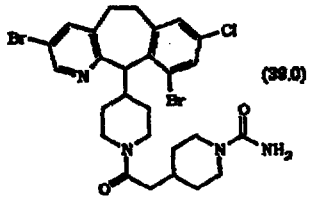

(1.0)


(4.0)


(22.0)


(27.0)


(32.0)


(39.0)