9900912-8
IPOS6

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : C07D 401/14, A61K 31/435, C07H 5/06 — A1

(11) International Publication Number: **WO 98/11099**

(43) International Publication Date: 19 March 1998 (19.03.98)

(21) International Application Number: PCT/US97/15905

(22) International Filing Date: 11 September 1997 (11.09.97)

(30) Priority Data:
08/711,925 — 13 September 1996 (13.09.96) — US

(71) Applicant: SCHERING CORPORATION [US/US]; 2000 Galloping Hill Road, Kenilworth, NJ 07033-0530 (US).

(72) Inventors: TAVERAS, Arthur, G.; 43 Crestwood Road, Rockaway, NJ 07866 (US). NJOROGE, F., George; 2597 Juliat Place, Union, NJ 07083 (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).

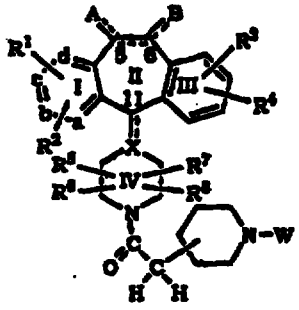
(81) Designated States: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CZ, EE, GE, HU, ID, IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, 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.

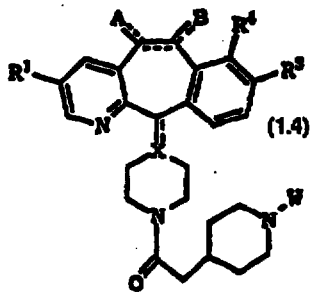
(54) Title: SUBSTITUTED BENZOCYCLOHEPTAPYRIDINE DERIVATIVES USEFUL FOR INHIBITION OF FARNESYL PROTEIN TRANSFERASE

(57) Abstract

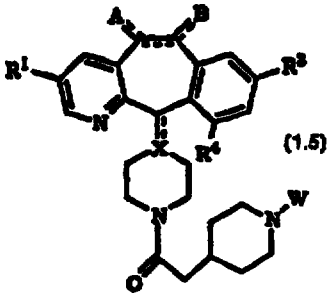
Novel compounds of formula (1.0) are disclosed. Compounds of formula (1.0) are represented by the compounds of formulas (1.4) or (1.5) wherein R^1, R^3 and R^4 are each independently selected from halo. W represents a group selected from (a), (b), (c) or (d). Also disclosed are methods of inhibiting farnesyl protein transferase and the growth of abnormal cells, such as tumor cells.



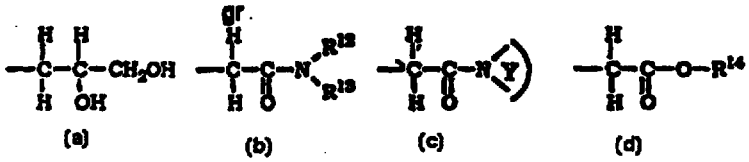
(1.0)



(1.4)



(1.5)



(a) (b) (c) (d)