(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
26 September 2002 (26.09.2002)

PCT

(10) International Publication Number
WO 02/074747 A1

(51) International Patent Classification[7]: C07D 233/64, A61K 31/4164, C07D 401/12, A61P 35/00

(21) International Application Number: PCT/US01/43168

(22) International Filing Date:
30 November 2001 (30.11.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/727,230 30 November 2000 (30.11.2000) US
09/912,677 25 July 2001 (25.07.2001) US

(71) Applicant: ABBOTT LABORATORIES [US/US]; D377 Ap6d, 100 Abbott Park Road, Abbott Park, Il 60064-6050 (US).

(72) Inventors: CLAIBORNE, Akiyo, K.; 73 S. Windsor Place, Mundelein, IL 60060 (US). GWALTNEY, Stephen, L, II; 259 Quail Court, Lindenhurst, IL 60046 (US). HASVOLD, Lisa, A.; 552 Shakespeare Drive, Grayslake, IL 60030 (US). LI, Qun; 1417 Castleton Road, Libertyville, IL 60048 (US). LI, Tomgmei; 990 S. Darla, Waukegan, IL 60085 (US). LIN, Nan-Horng; 432 W. Sycamore Street, Vernon Hills, IL 60061 (US). MANTEI, Robert, A.; 4203 Caroly Court, Franklin, WI 53132 (US). ROCKWAY, Todd, W.; 17807 W. Braewick Road, Gurnee, IL 60031 (US). SHAM, Hing, L.; 1666 N. St. Andrew Drive, Vernon Hills, IL 60061 (US). SULLIVAN, Gerard, M.; 2214 North Sunrise Drive, Round Lake Beach, IL 60073 (US). TONG, Yunsong; 312 Cambridge Drive, Grayslake, IL 60030 (US). WANG, Gary, T.; 1904 Darnell Street, Libertyville, IL 60048 (US). WANG, Le; 20 South Parliament Way, Mundelein, IL 60060 (US). WANG, Xilu; 34056 Sulkey Drive, Grayslake, IL 60030 (US). WANG, Weibo; 141 Embarcadero West, Apt. 4210, Oakland, CA 94607 (US).

(74) Agents: STEELE, Gregory, W. et al.; Abbott Laboratories, 100 Abbott Park Road, D377 AP6D/2, Abbott Park, IL 60064-6050 (US).

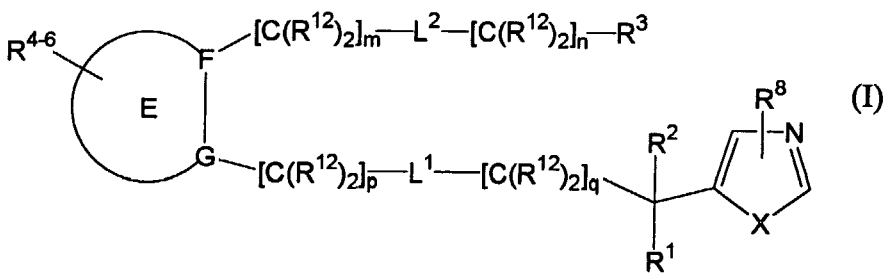
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, 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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, 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 receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FARNESYLTRANSFERASE INHIBITORS



(I)

(57) Abstract: Substituted imidazoles and thiazoles having formula (I), are useful for inhibiting farnesyltransferase. Also disclosed are farnesyltransferase-inhibiting compositions and methods of inhibiting farnesyltransferase in a patient.

WO 02/074747 A1