IDS COPY

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : A61K 38/13, 38/00, C12P 21/00 | A1

(11) International Publication Number: WO 97/18828

(43) International Publication Date: 29 May 1997 (29.05.97)

(21) International Application Number: PCT/US96/17677

(22) International Filing Date: 15 November 1996 (15.11.96)

(30) Priority Data:
08/560,685 20 November 1995 (20.11.95) US

(71) Applicants: GUILFORD PHARMACEUTICALS INC. [US/US]; 6611 Tributary Street, Baltimore, MD 21224 (US). JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE [US/US]; Suite 72-100, 2024 East Monument, Baltimore, MD 21205 (US).

(72) Inventors: STEINER, Joseph, P.; 988 Sugar Maple Street, Hampstead, MD 21074 (US). HAMILTON, Gregory, S.; 6501 Frederick Road, Catonsville, MD 21228 (US). SNYDER, Solomon, H.; Johns Hopkins Medical School, 725 N. Wolfe Street, Baltimore, MD 21205-2185 (US).

(74) Agent: NATH, Gary, M.; Nath & Associates, Suite 750, 1835 K Street, N.W., Washington, DC 20006-1203 (US).

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, 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, TJ, TM, TR, TT, UA, UG, 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.
With amended claims.

(54) Title: INHIBITORS OF CYCLOPHILIN ROTAMASE ACTIVITY

(57) Abstract

This invention relates to the method of using neurotrophic cyclophilin inhibitor compounds having an affinity for cyclophilin-type immunophilins as inhibitors of the enzyme activity associated with immunophilin proteins, and particularly inhibitors of peptidyl-prolyl isomerase or rotamase enzyme activity.