

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 June 2006 (15.06.2006)

PCT

(10) International Publication Number
WO 2006/063154 A1

(51) International Patent Classification:

A61K 38/04 (2006.01) A61K 31/396 (2006.01)
A61K 31/336 (2006.01)

(21) International Application Number:

PCT/US2005/044451

(22) International Filing Date:

7 December 2005 (07.12.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/634,366 7 December 2004 (07.12.2004) US
60/655,930 23 February 2005 (23.02.2005) US

(71) Applicant (for all designated States except US): **PROTEOLIX, INC.** [US/US]; 230 East Grand Avenue, Suite A, South San Francisco, CA 94080 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LEWIS, Evan, R.** [US/US]; 631 Miller Avenue, Pacifica, CA 94044 (US). **HO, Mark Nguyen** [US/US]; 3330 Shoshana Lane, San Jose, CA 95135 (US). **FONESCA, Fabiana, N.** [BR/US]; 30 River Road, Apt. 8g, New York, NY 10044 (US).

(74) Agents: **VINCENT, Matthew, P.**, et al.; Fish & Neave IP Group, Ropes & Gray LLP, One International Place, Boston, MA 02110-2624 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (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: COMPOSITION FOR PROTEASOME INHIBITION

(57) Abstract: Compositions comprising one or more practically insoluble proteasome inhibitors and a cyclodextrin, particularly a substituted cyclodextrin, substantially increase the solubility of these proteasome inhibitors and facilitate their administration. Such compositions optionally comprise a buffer. Methods of treatment using such compositions are also disclosed

WO 2006/063154 A1