

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 November 2010 (04.11.2010)

PCT

(10) International Publication Number
WO 2010/127190 A1

(51) International Patent Classification:
C07D 295/155 (2006.01) **A61P 35/00** (2006.01)
A61K 31/496 (2006.01)

(21) International Application Number:
PCT/US2010/033072

(22) International Filing Date:
30 April 2010 (30.04.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/174,274 30 April 2009 (30.04.2009) US

(71) Applicant (for all designated States except US): **ABBOTT LABORATORIES** [US/US]; 100 Abbott Park Road, Abbott Park, Illinois 60064 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BORCHARDT, Thomas** [US/US]; 2433 55th Avenue, Kenosha, Wisconsin 53144 (US). **BRACKEMYER, Paul** [US/US]; 1717 West Catalpa Lane, Mt. Prospect, Illinois 60056 (US). **CATRON, Nathaniel** [US/US]; 305 Lakeside Drive, Vernon Hills, Illinois 60061 (US). **HENRY, Rodger** [US/US]; 33067 Romahawk Court, Wildwood, Illinois 60030 (US). **LOU, Xiaochun** [CN/US]; 8094 RFD Breckenridge Drive, Long Grove, Illinois 60047 (US). **RAVN, Matthew** [US/US]; 1291 East Komar, Round Lake Beach, Illinois 60073 (US). **ZHANG, Geoff** [CN/US]; 1014 Dawes Street, Libertyville, Illinois 60048

(US). **ZHOU, Deliang** [CN/US]; 107 Alexandria Drive, Vernon Hills, Illinois 60061 (US).

(74) Agents: **COLEMAN JAMES, Patricia** et al.; Abbott Laboratories, Dept. 0377, Bldg. AP6A-1A, 100 Abbott Park Road, Abbott Park, Illinois 60064-6008 (US).

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

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: SALT OF ABT-263 AND SOLID-STATE FORMS THEREOF

(57) Abstract: ABT-263 bis-HCl and crystalline polymorphs thereof are suitable active pharmaceutical ingredients for pharmaceutical compositions useful in treatment of a disease characterized by overexpression of one or more anti-apoptotic Bcl-2 family proteins, for example cancer.



WO 2010/127190 A1