



(51) International Patent Classification:

C07D 333/28 (2006.01) A61P 27/06 (2006.01)
A61K 31/381 (2006.01)

(21) International Application Number:

PCT/US2014/070156

(22) International Filing Date:

12 December 2014 (12.12.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/915,575 13 December 2013 (13.12.2013) US

(71) Applicant: ALLERGAN, INC. [US/US]; 2525 Dupont Drive, Irvine, California 92612 (US).

(72) Inventors: WU, Ke; 61 Pinestone, Irvine, California 92604 (US). AMBRUS, Gyorgy; 12681 Swidler Place, Santa Ana, California 92705 (US).

(74) Agents: BASS, Jonathan Y. et al.; 2525 Dupont Drive, Irvine, California 92612 (US).

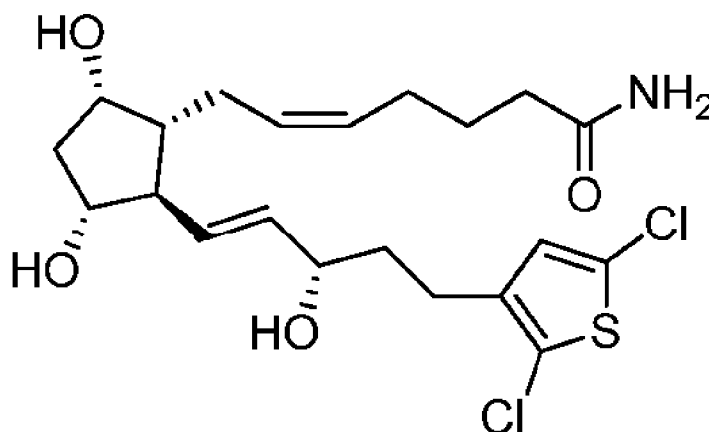
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, 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, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

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

(54) Title: SOLID FORMS OF AN ALPHA, OMEGA DI-SUBSTITUTED DIHYDROXY CYCLOPENTYL COMPOUND AND METHODS FOR THE PREPARATION AND USE THEREOF



(57) Abstract: Provided herein are multiple solid forms of a defined α,ω -disubstituted dihydroxy cyclopentyl compound, and methods for the preparation and use thereof. In one aspect, there are provided crystalline forms of said cyclopentyl compound, and methods for the preparation and use thereof. In another aspect, there are provided substantially amorphous forms of said dihydroxy cyclopentyl compound, and methods for the preparation and use thereof. In yet another aspect, there are provided compositions containing compounds according to the present invention. In certain aspects, such compositions are suitable for delivery of active agents according to the present invention to a subject in need thereof. In another aspect of the invention, there are provided methods for the treatment of a variety of indications, including glaucoma, ocular hypertension, and the like. In still another aspect of the present invention, there are provided kits containing compounds according to the present invention and/or compositions containing same.

