



(51) International Patent Classification:

C07C 205/57 (2006.01) C07F 7/18 (2006.01)
C07D 301/32 (2006.01) C07C 51/347 (2006.01)

(21) International Application Number:

PCT/US2013/073474

(22) International Filing Date:

6 December 2013 (06.12.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/734,672 7 December 2012 (07.12.2012) US
61/777,882 12 March 2013 (12.03.2013) US

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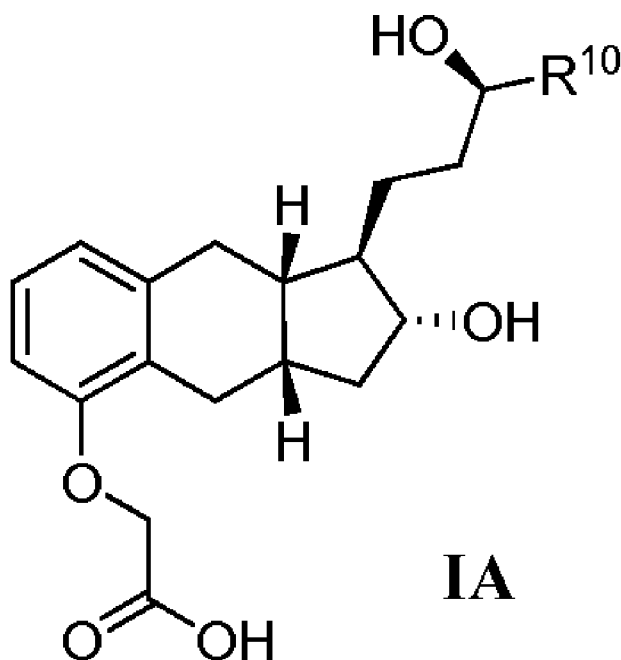
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, 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, 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,

[Continued on next page]

(54) Title: METHODS OF SYNTHESIZING A PROSTACYCLIN ANALOG



(57) Abstract: The present invention provides processes for preparing a prostacyclin analogue of Formula (I) or a pharmaceutically acceptable salt thereof, wherein R¹⁰ is a linear or branched C₁₋₆ alkyl. The processes of the present invention comprise steps that generate improved yields and fewer byproducts than traditional methods. The processes of the present invention employ reagents (e.g., the oxidizing reagent) that are less toxic than those used in the traditional methods (e.g., oxalyl chloride). Many of the processes of the present invention generate intermediates with improved e.e. and chemical purity; thereby eliminating the need of additional chromatography steps. And, the processes of the present invention are scalable to generate commercial quantities of the final compound.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

Published:

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

(88) Date of publication of the international search report:

28 August 2014