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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
10 June 2010 (10.06.2010)

PCT

(10) International Publication Number
WO 2010/063724 A1

(51) **International Patent Classification**:
C07D 257/04 (2006.01) ***A61K 31/41*** (2006.01)
C07D 401/12 (2006.01) ***A61P 9/00*** (2006.01)

(21) **International Application Number**:
PCT/EP2009/066159

(22) **International Filing Date**:
1 December 2009 (01.12.2009)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
08170435.5 2 December 2008 (02.12.2008) EP

(71) **Applicant** *(for all designated States except US)*: **CARDIOLYNX AG** [CH/CH]; Birsigstrasse 10, CH-4054 Basel (CH).

(72) **Inventors; and**
(75) **Inventors/Applicants** *(for US only)*: **SARTOR, Dirk** [DE/CH]; Weissbergstrasse 13, CH-4665 Oftringen (CH). **SCHERHAG, Armin** [DE/CH]; Bannhollenweg 3, CH-4143 Dornach (CH).

(74) **Agent**: **BECKER, Konrad**; Aeschenvorstadt 24, Postfach 318, CH-4010 Basel (CH).

(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, 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, 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))*

WO 2010/063724 A1

(54) **Title**: NITRATE DERIVATIVES OF CILOSTAZOL FOR THE TREATMENT OF VASCULAR AND METABOLIC DISEASES

(57) **Abstract**: Nitrate derivatives of cilostazol are described. They have superior properties and clinical advantages compared to cilostazol in the treatment of vascular and metabolic diseases.