



- (51) **International Patent Classification:**
C07D 409/06 (2006.01) *A61K 31/4709* (2006.01)
A61K 31/381 (2006.01)
- (21) **International Application Number:**
PCT/US2012/050051
- (22) **International Filing Date:**
9 August 2012 (09.08.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/524,462 17 August 2011 (17.08.2011) US
- (71) **Applicant (for all designated States except US):** **ELI LILLY AND COMPANY** [US/US]; Lilly Corporate Center, Indianapolis, Indiana 46285 (US).
- (72) **Inventor; and**
- (75) **Inventor/Applicant (for US only):** **HAMDOUCHI, Chafiq** [US/US]; c/o Eli Lilly and Company, P.O. Box 6288, Indianapolis, Indiana 46206-6288 (US).
- (74) **Agents:** **MYERS, James** et al.; Eli Lilly and Company, P.O. Box 6288, Indianapolis, Illinois 46206-6288 (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, 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, QA, RO, RS, RU, RW, 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.

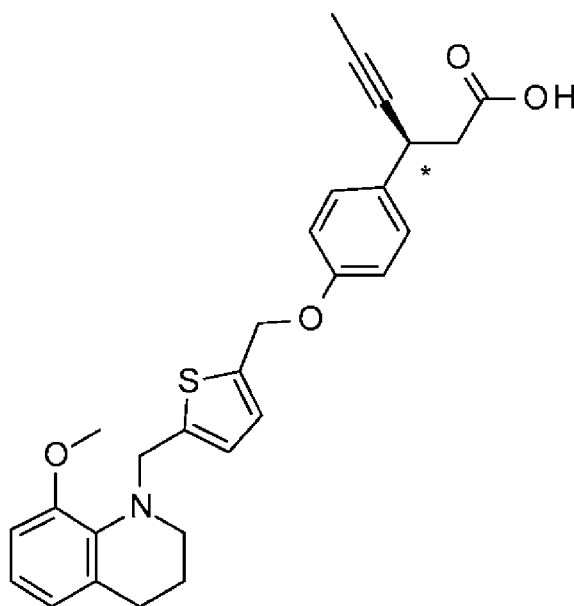
- (84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

- (54) **Title:** A Novel 1,2,3,4-Tetrahydroquinoline Derivative Useful for the Treatment of Diabetes



- (57) **Abstract:** The present invention provides a compound of the formula below or a pharmaceutical salt thereof, methods of treating diabetes using the compound and a process for preparing the compound.

WO 2013/025424 A1



Published:

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