

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
19 January 2006 (19.01.2006)

PCT

(10) International Publication Number
WO 2006/007542 A1

(51) International Patent Classification⁷: **C07D 209/10**

(21) International Application Number:
PCT/US2005/023447

(22) International Filing Date: 30 June 2005 (30.06.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/585,243 1 July 2004 (01.07.2004) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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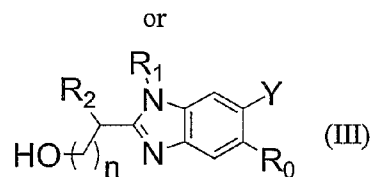
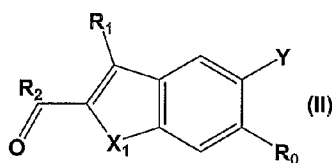
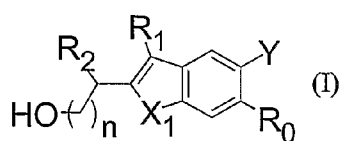
— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

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(54) Title: SMALL MOLECULE INHIBITION OF A PDZ-DOMAIN INTERACTION



(57) Abstract: Novel compounds that have been found effective in inhibiting PDZ domain interactions, and particularly interactions of PDZ domains in MAGIs with the oncogenic (tumor suppressor) protein PTEN and interactions between the PDZ domain in the Dishevelled (Dvl) protein and other proteins such as the Frizzled (Fz) protein, have the general formula (I) or (III). The invention also includes combinatorial libraries, arrays and methods for screening and studying proteins using such compounds. Compounds of the invention have produced apoptosis in certain cell lines that overexpress the Dishevelled protein (Dvl), inhibiting Wnt signaling.