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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 August 2007 (02.08.2007)

PCT

(10) International Publication Number
WO 2007/086800 A1

(51) International Patent Classification:
C07D 417/04 (2006.01) *A61P 25/28* (2006.01)
A61K 31/4436 (2006.01) *C07D 417/14* (2006.01)
A61K 31/496 (2006.01) *C07D 513/04* (2006.01)

(21) International Application Number:
PCT/SE2007/000068

(22) International Filing Date: 25 January 2007 (25.01.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/762,654 27 January 2006 (27.01.2006) US

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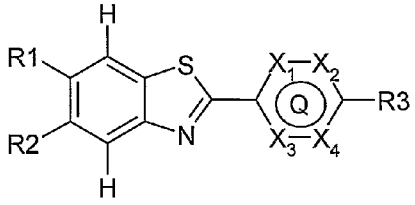
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, 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, HU, IE, IS, IT, LT, LU, LV, 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).

Published:
— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NOVEL HETEROARYL SUBSTITUTED BENZOTHIAZOLES



(I)

(57) Abstract: The present invention relates to novel heteroaryl substituted benzothiazole derivatives, precursors thereof, and therapeutic uses for such compounds, having the structural formula (I) below: [Chemical formula should be inserted here. Please see paper copy] and to their pharmaceutically acceptable salt, compositions and methods of use. Furthermore, the invention relates to novel heteroaryl substituted benzothiazole derivatives that are suitable for imaging amyloid deposits in living patients, their compositions, methods of use and processes to make such compounds. More specifically, the present invention relates to a method of imaging amyloid deposits in brain *in vivo* to allow antemortem diagnosis of Alzheimer's disease as well as measureing clinical efficacy of Alzheimer's disease therapeutic agents.

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