

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
2 February 2006 (02.02.2006)

PCT

(10) International Publication Number
WO 2006/010915 A1

(51) International Patent Classification⁷: **C07D 251/70**,
A61K 31/53, A61P 25/28, G01N 33/68

(21) International Application Number:
PCT/GB2005/002910

(22) International Filing Date: 25 July 2005 (25.07.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0416699.7 27 July 2004 (27.07.2004) GB

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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.

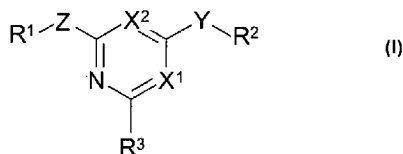
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, 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: SUBSTITUTED TRIAZINES AS PRION PROTEIN LIGANDS AND THEIR USE TO DETECT OR REMOVE PRIONS



(57) **Abstract:** Compounds of formula (I) wherein R^1 and R^2 are the same or different and are each optionally substituted alkyl, optionally substituted cycloalkyl, optionally substituted aryl or optionally substituted heteroaryl groups; R^3 is hydrogen or an aryl group substituent or R^3 is a solid support optionally attached via a spacer; Z represents an oxygen atom, a sulphur atom or NR^4 ; Y represents an oxygen atom, a sulphur atom or NR^5 ; in which R^4 and R^5 , which may be the same or different, represent hydrogen, optionally substituted alkyl containing 1 to 6 carbon atoms, optionally substituted phenyl, optionally substituted benzyl or optionally substituted β -phenylethyl; and one of X^1 and X^2 represents a nitrogen atom and the other of X^1 and X^2 represents a nitrogen atom or CR^6 , in which R^6 represents hydrogen or an aryl group substituent; are useful for the affinity binding of a prion protein.



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