



(51) International Patent Classification:

C07D 241/04 (2006.01) A61P 25/18 (2006.01)
C07D 317/06 (2006.01) A61P 25/28 (2006.01)
C07D 295/096 (2006.01) A61P 25/30 (2006.01)
A61K 31/495 (2006.01)

(21) International Application Number:

PCT/EP2010/055789

(22) International Filing Date:

29 April 2010 (29.04.2010)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/174,054 30 April 2009 (30.04.2009) US

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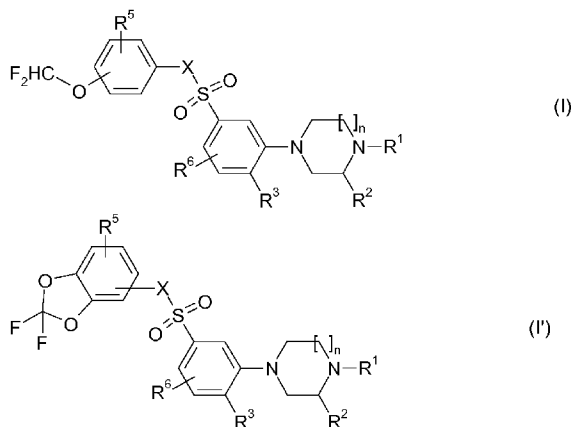
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, 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, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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(54) Title: N-PHENYL-(PIPERAZINYL OR HOMOPIPERAZINYL)-BENZENESULFONAMIDE OR BENZENESULFONYL-PHENYL-(PIPERAZINE OR HOMOPIPERAZINE) COMPOUNDS SUITABLE FOR TREATING DISORDERS THAT RESPOND TO MODULATION OF THE SEROTONIN 5-HT₆ RECEPTOR



(57) Abstract: The present invention relates to N-phenyl-(piperazinyl or homopiperazinyl)- benzenesulfonamide or benzenesulfonyl-phenyl-(piperazine or homopiperazine) compounds, pharmaceutical compositions containing them, and their use in therapy. The compounds possess valuable therapeutic properties and are particularly suitable for treating diseases that respond to modulation of the serotonin 5-HT₆ receptor. wherein X is a bond or a group N-R⁴; R¹ is hydrogen or methyl; R² is hydrogen or methyl; R³ is hydrogen, C₁-C₃ alkyl, fluorine, C₁-C₂ alkoxy or fluorinated C₁-C₂ alkoxy; R⁴ is hydrogen, C₁-C₄ alkyl, C₃-C₄ cycloalkyl, or C₃-C₄ cycloalkyl-CH₂-; R⁵ is hydrogen, fluorine, chlorine, C₁-C₂ alkyl, fluorinated C₁-C₂ alkyl, C₁-C₂ alkoxy or fluorinated C₁-C₂ alkoxy; R⁶ is hydrogen, fluorine or chlorine; and n is 1 or 2.



(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, 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))*