Title (en)

5-AMINOALKYL-2-(2-ALKOXYPHENYL)-PYRROLE DERIVATIVES HAVING AFFINITY FOR DOPAMINE D3 RECEPTORS AND THEIR USE IN THE TREATMENT OF PSYCHOSES

Title (de)

5-AMINOALKYL-2-(2-ALKOXYPHENYL)-PYRRL DERIVATE MIT DOPAMINE D3 RECEPTOR-AFFINITAT UND IHR EINSATZ IN DER BEHANDLUNG VON PSYCHOSEN

Title (fr)

DERIVES DE 5-AMINOALKYLE-2-(2-ALKOXYPHENYL)-PYRROLE COMPORTANT UNE AFFINITE POUR DES RECEPTEURS DE DOPAMINE D3 ET LEUR UTILISATION POUR LE TRAITEMENT DES PSYCHOSES

Publication

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Application

EP 96920811 A 19960607

Priority

- EP 9602498 W 19960607
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Abstract (en)

[origin: WO9700243A1] Compounds of Formula (I) wherein R<1> represents C1-4alkyl; R<3> represents an optionally substituted phenyl group or an optionally substituted 5- or 6-membered heterocyclic aromatic group; R<2>, R<4> and R<5> each independently represent hydrogen, halogen; C1-4alkyl; C1-4alkoxy; C1-4alkoxyC1-4alkyl; C1-4alkylsulphonyl; trifluoromethylsulphonyl; optionally substituted arylsulphonyl; optionally substituted heteroarylsulphonyl; optionally substituted aralkylsulphonyl; optionally substituted heteroaralkylsulphonyl; nitro; cyano; amino; mono- or di-C1-4alkylamino; trifluoromethyl; trifluoromethoxy; hydroxyl; hydroxyC1-4alkyl; C1-4alkylthio; C1-4alkanoyl C1-4alkoxycarbonyl; a sulphonate group of formula R<8>OSO2 wherein R<8> is an optionally substituted aryl or optionally substituted heteroaryl group; or a group -SO2NR<6>R<7> wherein R<6> and R<7> each independently represent hydrogen, C1-4alkyl or C1-4alkoxyC1-4alkyl, or R<6> represents hydrogen, C1-6alkyl, or C1-4alkoxyC1-4alkyl; and R<7> represents a group (R<a>)p-(Ar)-(CH2)j- wherein Ar represents phenyl, naphthyl, a 5- or 6-membered heterocyclic aryl group, or a 5- or 6- membered heterocyclic aryl group fused to a phenyl ring; j represents zero or an integer from 1-4; R<a> represents a substituent selected from halogen, C1-4alkyl, C1-4alkoxy, C1-4alkoxyC1-4alkyl, nitro, cyano, trifluoromethyl, trifluoromethoxy, hydroxy, hydroxyC1-4alkyl, C1-4alkanoyl, C1-4alkoxycarbonyl, amino, mono- or di-C1-4alkylamino, C1-4alkylthio, C1-4alkylsulphinyl, C1-4alkylsulphonyl and phenylC1-4alkoxy; and p represents zero or an integer from 1-4; or NR<6>R<7> forms a 3- to 8- membered fully saturated heterocyclic ring, a 5- to 8- membered partially saturated heterocyclic ring, a 5- to 8- membered fully saturated heterocyclic ring which contains in addition to the nitrogen atom an oxygen or sulphur atom; or a 5-7 membered heterocyclic ring which is fused to or substituted by a phenyl group, orsubstituted by a 5- or 6-membered heterocyclic aryl group, said phenyl or heteroaryl group being optionally substitued by a group (R<a>)p, wherein R<a> and p are as defined hereinabove; or R<1> and R<2> together form a C2-4alkyl chain, which chain may be optionally substituted by one or two C1-4alkyl groups, and R<3>, R<4> and R<5> are as hereinbefore defined; and Y represents a group selected from (a) - (e) and salts thereof, are dopamine D3 antagonists with potential for the treatment of schizophrenia.

IPC 1-7

C07D 207/32; A61K 31/40

IPC 8 full level

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See references of WO 9700243A1

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