

Title (en)  
TROPONYL PIPERAZINES AS SELECTIVE DOPAMINE D4 RECEPTOR LIGANDS

Title (de)  
TROPONYL PIPERAZINE ALS SELEKTIVE DOPAMIN D4 REZEPTOR LIGANDEN

Title (fr)  
PIPERAZINES DE TROPONYLE EN TANT QUE LIGANDS SELECTIFS DU RECEPTEUR D4 DE DOPAMINE

Publication  
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Application  
**EP 97935166 A 19970730**

Priority  
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Abstract (en)  
[origin: WO9807711A1] Described herein are compounds of general formula (I), a stereoisomer, solvate, or pharmaceutically acceptable salt thereof, wherein: R1 is H, halo, aryl or aryl substituted with one or two groups independently selected from halo, C1-4alkyl, C1-4alkoxy, nitro, trifluoromethyl, trifluoromethoxy or cyano; R2 is C4-9alkyl; phenyl or phenyl substituted with one or two groups selected independently from OH, cyano, halo, C1-4alkoxy, C1-4alkyl, trifluoromethyl, trifluoromethoxy, nitro or phenyl; naphthyl; phenyl fused to a 5 or 6-membered heterocycle; the coumarin moiety (a), wherein R3 and R4 are selected independently from H, C1-4alkyl and C1-4alkoxy; or 1,2-methylenedioxy phenyl; with the proviso that R2 is not phenyl or 3,4-dimethoxyphenyl when R1 is H. Also described is their use as pharmaceuticals to treat indications in which the dopamine D4 receptor is implicated, such as schizophrenia and anxiety.

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