

Title (en)
DOPAMINE TRANSPORTER INHIBITORS AND THEIR USE

Title (de)
INHIBITOREN VON DOPAMINETRANSPORT UND DEREN VERWENDUNG

Title (fr)
INHIBITEURS DU TRANSPORTEUR DE DOPAMINE ET LEUR UTILISATION

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Abstract (en)
[origin: WO0122964A1] The present invention provides a novel class of compounds. The compounds are inhibitors of dopamine transporter and therefore are useful in the treatment of disorders related to dopamine transporter activity. One aspect of the present invention provides a class of compounds of formula (I): wherein R1 is an alkyl, aryl, alkyl-aryl, aromatic ring containing one or more hetero atoms; R2 is an alkyl, aryl, aromatic ring containing one or more hetero atoms, ketone, hydroxyl, alcohol, aldehyde, ester, acid, amide group, or (1) or (2), wherein R' is a phenyl ring optionally substituted with one or more halogens or one or more saturated or unsaturated alkyl (C1-5) group, or aromatic ring with one or more hereto atoms optionally substituted with one or more halogens or one or more saturated or unsaturated alkyl (C1-5) group; R3 is F, C1, Br, I, OH, OR', or OC=OR', wherein R' is an alkyl, aryl, aromatic ring containing one or more hetero atoms, or a -O- bond with R2 when R2 is hydroxyl or alcohol; R4 is an alkyl, aryl, alkyl-aryl; aromatic ring containing one or more hetero atoms, hydroxyl, alcohol, aldehyde, ester, acid, amide group.

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