Product Data Sheet

Product Name: Ropinirole hydrochloride

CAS No.: 91374-20-8
Cat. No.: HY-B0623A
MWT: 296.84
Formula: C16H25ClN2O
Purity : >98%
Solubility: DMSO <10 mg/ml

Mechanisms: Pathways: GPCR/G protein; Target: Dopamine Receptor
Pathways: Neuronal Signaling; Target: Dopamine Receptor

Biological Activity:
Ropinirole hydrochloride (SKF101468 hydrochloride) a selective dopamine D2 receptor inhibitor with IC50 of 29 nM.
Target: Dopamine D2 Receptor
Ropinirole (50 mg/kg, i.p.) causes biphasic spontaneous locomotor activity in mice. Ropinirole (0.05-1.0 mg/kg SC) dose-dependently inhibits the dyskinesias induced by 2-di-n-propylamino-5,6-di-hydroxytetralin in mice. Ropirirole, at doses of 1 and 10 μg, injected unilaterally directly into the striatum of the rat causes marked, contralateral (away from the side of injection) asymmetry and circling in mice. Ropinirole (0.05-1.0 mg/kg SC or 0.1 mg/kg PO) reverses all motor and behavioural deficits induced by MPTP in marmosets [1]. Ropinirole (2 mg/kg, i.p.) for 7 days increases GSH, catalase and SOD activities in the striatum and protected striatal dopaminergic neurons against 6-hydroxydopamine (6-OHDA) in mice [2]. Ropinirole (0...

References:

Caution: Not fully tested. For research purposes only

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