

Paliperidone

Catalog No: tcsc0386



Available Sizes

Size: 50mg

Size: 100mg

Size: 200mg

Size: 500mg



Specifications

CAS No:

144598-75-4

Formula:

$C_{23}H_{27}FN_4O_3$

Pathway:

GPCR/G Protein;Neuronal Signaling

Target:

Dopamine Receptor;Dopamine Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

9-hydroxyrisperidone

Observed Molecular Weight:

426.48

Product Description

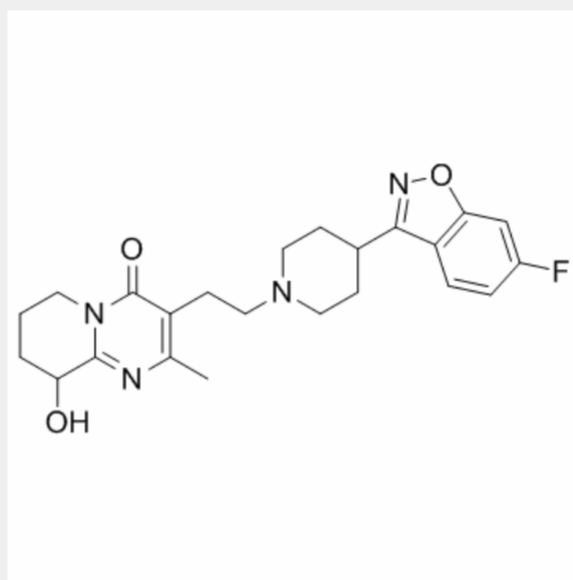
Paliperidone (9-hydroxyrisperidone) is a dopamine antagonist of the atypical antipsychotic class of medications.

IC50 value:

Target: dopamine receptor

in vitro: Paliperidone inhibited MK-801 induced neurotoxicity both in MTT metabolism assay (p

in vivo: The 9OHRIS (4 mg/bwkg) was administered by gastric tube. Four groups were formed depending on the treatment: (1) control, (2) stress, (3) 9OHRIS, (4) stress and parallel 9OHRIS treatment (n=5-6). The expression of APP, MAPK1, β -actin mRNAs from the perfused brain samples was measured with real-time PCR technique [3]. Male offspring were treated orally via drinking water with vehicle, risperidone (0.01mg/kg/day), or paliperidone (0.01mg/kg/day) between postnatal days 35 and 56 (periadolescence) and extracellular glutamate levels in the prefrontal cortex were determined by microdialysis at PD 56 [4].



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