

Pentiapine

Catalog No: tcsc0018131



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

81382-51-6

Formula:

$C_{15}H_{17}N_5S$

Pathway:

GPCR/G Protein;Neuronal Signaling

Target:

Dopamine Receptor;Dopamine Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

CGS 10746

Observed Molecular Weight:

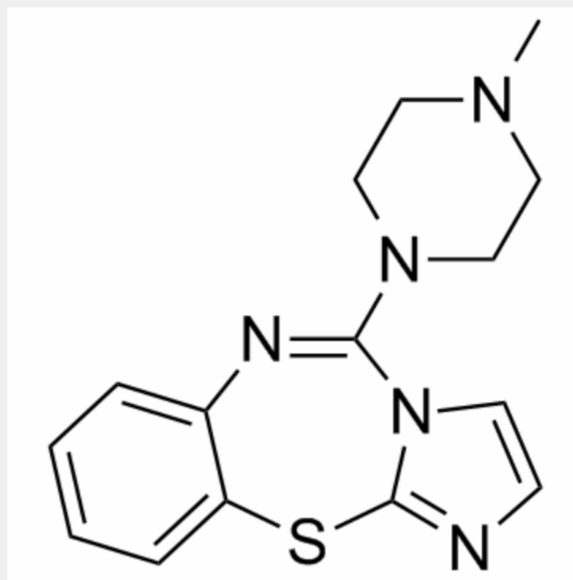
299.39

Product Description

Pentiapine is a novel **dopamine release** inhibitor.

IC50 & Target: Dopamine receptor^[1]

In Vivo: Pentiapine is a novel dopamine release inhibitor. The results show that Pentiapine dose-dependently reduces motor activity of mice. Moreover, Pentiapine dose-dependently reduces morphine-induced hyperactivity. Newman-Keuls post-hoc comparisons indicate that the group receiving morphine plus saline presents more activity than the groups receiving morphine plus 2 (P[1]. 30 mg/kg dose of Pentiapine completely blocks the methylenedioxymethamphetamine (MDMA) conditioned place preference (CPP) and also blocks the establishment of a cocaine CPP^[2].



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