

# 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:** 

### Solubility:

10 mM in DMSO

Alternative Names:

CGS 10746

#### **Observed Molecular Weight:**

299.39

## **Product Description**

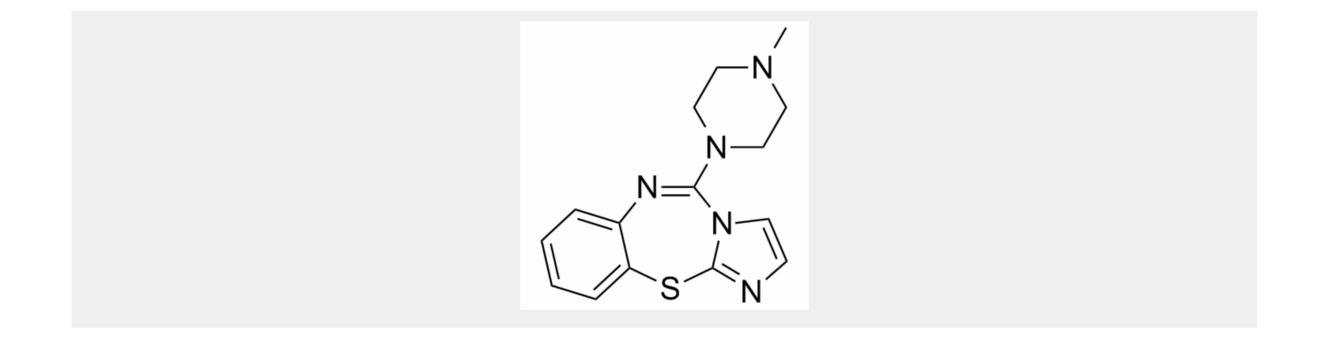
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Pentiapine is a novel **dopamine release** inhibitor.

#### IC50 & Target: Dopamine receptor<sup>[1]</sup>

*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<sup>[2]</sup>.



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