

Asenapine

Catalog No: tcsc0860



Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

65576-45-6

Formula:

$C_{17}H_{16}ClNO$

Pathway:

GPCR/G Protein;Neuronal Signaling;GPCR/G Protein

Target:

Adrenergic Receptor;5-HT Receptor;5-HT Receptor

Purity / Grade:

>98%

Solubility:

H2O :

Alternative Names:

Org 5222

Observed Molecular Weight:

285.77

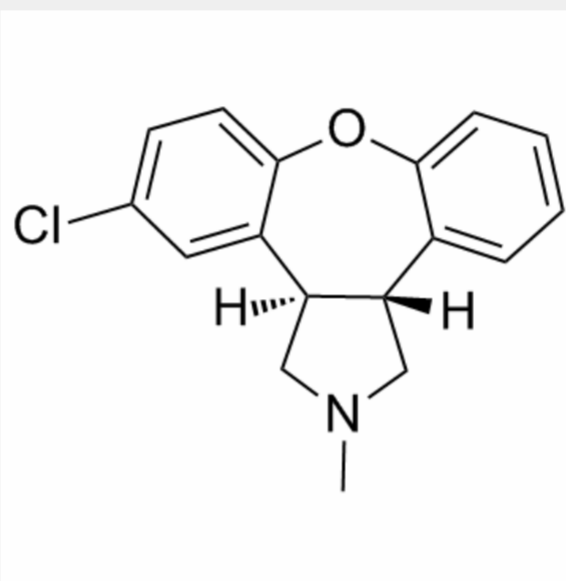
Product Description

Asenapine(Org 5222) inhibits adrenergic receptor (α 1, α 2A, α 2B, α 2C) with K_i of 0.25-1.2 nM and also inhibits 5-HT receptor (1A, 1B, 2A, 2B, 2C, 5A, 6, 7) with K_i of 0.03-4.0 nM.

IC50 Value: 0.25-1.2 nM(K_i for adrenergic receptor); 0.03-4.0 nM(K_i for 5-HT receptor)

Target: 5-HT Receptor; Adrenergic Receptor

Asenapine maleate is a 5-HT receptor antagonist (5-HT_{1A}, 1B, 5-HT_{2A}, 2B, 2C, 5-HT_{5A}, 5-HT₆ and 5-HT₇), a D₂ antagonist, and an antipsychotic. Asenapine has a broad receptor affinity profile for most serotonergic, dopaminergic, and adrenergic receptors, with no appreciable affinity for muscarinic receptors. Asenapine may be a helpful treatment option for patients with schizophrenia when weight gain, dyslipidemia, and endocrine abnormalities are a concern.



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