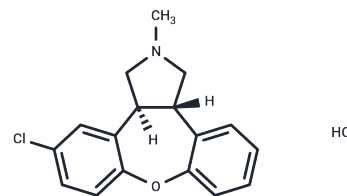


Asenapine hydrochloride

Chemical Properties

CAS No. :	1261398-77-9
Formula:	C ₁₇ H ₁₇ Cl ₂ NO
Molecular Weight:	322.23
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Asenapine is a new atypical antipsychotic developed for the treatment of schizophrenia and acute mania associated with bipolar disorder.
Targets(IC50)	Others
In vitro	Asenapine displays high affinity (pKi) for numerous receptors, including the serotonin 5-HT _{1A} (8.6), 5-HT _{1B} (8.4), 5-HT _{2A} (10.2), 5-HT _{2B} (9.8), 5-HT _{2C} (10.5), 5-HT _{5A} (8.8), 5-HT ₆ (9.5), and 5-HT ₇ (9.9) receptors, the adrenergic α ₁ (8.9), α _{2A} (8.9), α _{2B} (9.5), and α _{2C} (8.9) receptors, the dopamine D ₁ (8.9), D ₂ (8.9), D ₃ (9.4), and D ₄ (9.0) receptors, and the histamine H ₁ (9.0) and H ₂ (8.2) receptors. Asenapine behaves as an antagonist at all receptors.

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1034 mL	15.5169 mL	31.0337 mL
5 mM	0.6207 mL	3.1034 mL	6.2067 mL
10 mM	0.3103 mL	1.5517 mL	3.1034 mL
50 mM	0.0621 mL	0.3103 mL	0.6207 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481