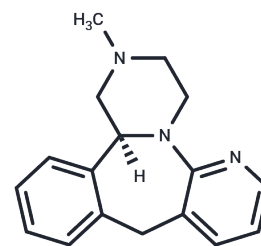


(S)-Mirtazapine

Chemical Properties

CAS No. :	61337-87-9
Formula:	C17H19N3
Molecular Weight:	265.35
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	(S)-Mirtazapine ((S)-Org3770) is the S(+)-enantiomer of Mirtazapine, functioning as a selective 5-HT ₂ receptor antagonist with pro-nociceptive effects. It is commonly used in combination with the R(-)-enantiomer of Mirtazapine to study depression.
Targets(IC50)	5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7686 mL	18.843 mL	37.6861 mL
5 mM	0.7537 mL	3.7686 mL	7.5372 mL
10 mM	0.3769 mL	1.8843 mL	3.7686 mL
50 mM	0.0754 mL	0.3769 mL	0.7537 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Muth-Selbach U, et al. Racemic intrathecal mirtazapine but not its enantiomers acts anti-neuropathic after chronic constriction injury in rats. Brain Res Bull. 2009 Apr 6;79(1):63-8.

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