Data Sheet (Cat.No.T37430)

TargetMol

Mirtazapine N-oxide

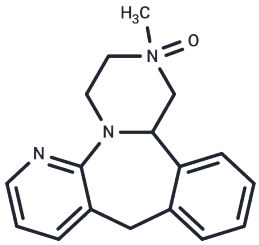
Chemical Properties

CAS No. : 155172-12-6

Formula: C17H19N3O

Molecular Weight: 281.359

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	Mirtazapine N-oxide is a metabolite of mirtazapine.1It is formed from mirtazapine by the cytochrome P450 (CYP) isoforms CYP1A2 and CYP3A4 in human liver microsomes.
Targets(IC50)	Others,5-HT Receptor

Solubility Information

Solubility	Methanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5542 mL	17.7708 mL	35.5417 mL
5 mM	0.7108 mL	3.5542 mL	7.1083 mL
10 mM	0.3554 mL	1.7771 mL	3.5542 mL
50 mM	0.0711 mL	0.3554 mL	0.7108 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

St?rmer, E., von Moltke, L.L., Shader, R.I., et al.Metabolism of the antidepressant mirtazapine in vitro: Contribution of cytochromes P-450 1A2, 2D6, and 3A4Drug Metab. Dispos.28(10)1168-1175(2000)

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