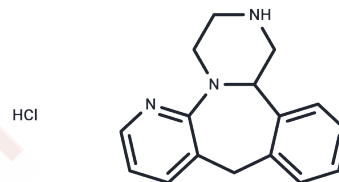


Desmethyl Mirtazapine (hydrochloride)

Chemical Properties

CAS No. :	1188265-41-9
Formula:	C ₁₆ H ₁₈ ClN ₃
Molecular Weight:	287.79
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	Desmethyl mirtazapine is a metabolite of the antidepressant mirtazapine. It is formed from mirtazapine by the cytochrome P450 (CYP) isoform CYP3A4.
Targets(IC50)	Others, 5-HT Receptor, Adrenergic Receptor, Histamine Receptor, Drug Metabolite

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	3.4748 mL	17.3738 mL	34.7476 mL
5 mM	0.695 mL	3.4748 mL	6.9495 mL
10 mM	0.3475 mL	1.7374 mL	3.4748 mL
50 mM	0.0695 mL	0.3475 mL	0.695 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

Stamer, 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 3A4. *Drug Metab. Dispos.* 28(10):1168-1175(2000)

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