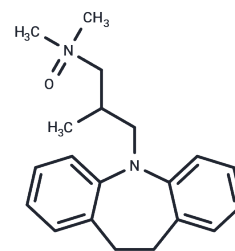


Trimipramine N-oxide

Chemical Properties

CAS No. :	14171-70-1
Formula:	C ₂₀ H ₂₆ N ₂ O
Molecular Weight:	310.43
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	Trimipramine N-oxide, an active metabolite of the tricyclic antidepressant trimipramine, effectively inhibits human monoamine transporters for noradrenaline (hNAT), serotonin (hSERT), dopamine (hDAT), and the human organic cation transporters (hOCT1 and hOCT2), with IC ₅₀ values of 11.7, 3.59, 9.4, 9.35, and 27.4 nM, respectively. It is utilized in the research of depression and anxiety [1].
Targets(IC ₅₀)	Others, Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2213 mL	16.1067 mL	32.2134 mL
5 mM	0.6443 mL	3.2213 mL	6.4427 mL
10 mM	0.3221 mL	1.6107 mL	3.2213 mL
50 mM	0.0644 mL	0.3221 mL	0.6443 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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