

1-Methyl-1,2,3,4-tetrahydroisoquinoline

Chemical Properties

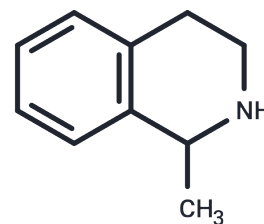
CAS No. : 4965-09-7

Formula: C₁₀H₁₃N

Molecular Weight: 147.22

Storage: Store under nitrogen, Keep away from direct sunlight
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	1-Methyl-1,2,3,4-tetrahydroisoquinoline is an inhibitor of phenylethanolamine N-methyltransferase and can be used in biochemical experiments and drug synthesis.
Targets(IC50)	Others
In vivo	Methods: STZ-induced diabetic mice were treated with 1-Methyl-1,2,3,4-tetrahydroisoquinoline (15, 30, 45 mg/kg, intraperitoneal injection) to study its effects on STZ-induced diabetic static mechanical allodynia. Results: The highest dose of 1-Methyl-1,2,3,4-tetrahydroisoquinoline (45 mg/kg) induced a more significant reversal of DPN allodynia 30 minutes after administration. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.7926 mL	33.9628 mL	67.9256 mL
5 mM	1.3585 mL	6.7926 mL	13.5851 mL
10 mM	0.6793 mL	3.3963 mL	6.7926 mL
50 mM	0.1359 mL	0.6793 mL	1.3585 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

Tokhi A, et al. Effects of 1-methyl-1, 2, 3, 4-tetrahydroisoquinoline on a diabetic neuropathic pain model. Front Pharmacol. 2023 Mar 22;14:1128496.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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