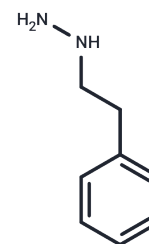


Phenelzine

Chemical Properties

CAS No. :	51-71-8
Formula:	C ₈ H ₁₂ N ₂
Molecular Weight:	136.19
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Phenelzine is an antidepressant and mania drug, which is a monoamine oxidase inhibitor. Its antidepressant effect is similar to that of niacinamide. It can reduce the degradation of catecholamines (norepinephrine, dopamine, and serotonin) in the brain and increase the content of catecholamines, and play an antidepressant effect. It has a good effect on endogenous depression but has a poor effect on exogenous and reactive depression.
Targets(IC50)	Norepinephrine, Dopamine Receptor, Serotonin Transporter

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.3427 mL	36.7134 mL	73.4268 mL
5 mM	1.4685 mL	7.3427 mL	14.6854 mL
10 mM	0.7343 mL	3.6713 mL	7.3427 mL
50 mM	0.1469 mL	0.7343 mL	1.4685 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

Li R, Sahu S, Schachner M. Phenelzine, a cell adhesion molecule L1 mimetic small organic compound, promotes functional recovery and axonal regrowth in spinal cord-injured zebrafish. *Pharmacol Biochem Behav.* 2018 Aug; 171:30-38.

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