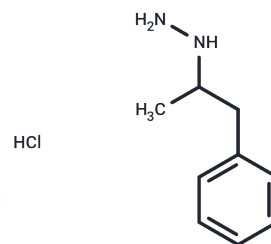


## Pheniprazine hydrochloride

## Chemical Properties

CAS No. :	66-05-7
Formula:	C <sub>9</sub> H <sub>15</sub> ClN <sub>2</sub>
Molecular Weight:	186.68
Storage:	Keep away from moisture 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	Pheniprazine hydrochloride is an irreversible monoamine oxidase (MAO) inhibitor applicable for depression research.
Targets(IC50)	Others, Monoamine Oxidase

## Solubility Information

Solubility	DMSO: 80 mg/mL (428.54 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.3568 mL	26.7838 mL	53.5676 mL
5 mM	1.0714 mL	5.3568 mL	10.7135 mL
10 mM	0.5357 mL	2.6784 mL	5.3568 mL
50 mM	0.1071 mL	0.5357 mL	1.0714 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

- Matveychuk D, et al. Elevation of rat brain tyrosine levels by phenelzine is mediated by its active metabolite  $\beta$ -phenylethylidenehydrazine. *Prog Neuropsychopharmacol Biol Psychiatry*. 2014 Aug 4;53:67-73.
- Ramadan ZB, et al. Species differences in the selective inhibition of monoamine oxidase (1-methyl-2-phenylethyl) hydrazine and its potentiation by cyanide. *Neurochem Res*. 2007 Oct;32(10):1783-90.
- Sowa B, et al. Design and biological evaluation of phenyl-substituted analogs of beta-phenylethylidenehydrazine. *Bioorg Med Chem*. 2005 Jul 15;13(14):4389-95.
- Ramadan ZB, et al. Some peculiar aspects of monoamine oxidase inhibition. *Neurobiology (Bp)*. 1999;7(2):159-74.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481