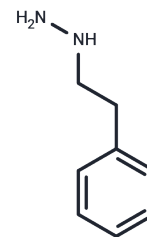
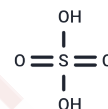


## Phenelzine sulfate

## Chemical Properties

CAS No. :	156-51-4
Formula:	C <sub>8</sub> H <sub>14</sub> N <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	234.27
Storage:	Keep away from direct sunlight, 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	Phenelzine sulfate is a non-selective, irreversible monoamine oxidase inhibitor (MAOI) with antidepressant and anxiolytic properties.
Targets(IC50)	Histone Demethylase, GABA Receptor, Monoamine Oxidase

## Solubility Information

Solubility	DMSO: 250 mg/mL (1067.14 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (14.09 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2686 mL	21.3429 mL	42.6858 mL
5 mM	0.8537 mL	4.2686 mL	8.5372 mL
10 mM	0.4269 mL	2.1343 mL	4.2686 mL
50 mM	0.0854 mL	0.4269 mL	0.8537 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

A G B , A D M , A M K , et al. Attenuation of the effects of oxidative stress by the MAO-inhibiting antidepressant and carbonyl scavenger phenelzine[J]. *Chemico-Biological Interactions*, 2019, 304:139-147.

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