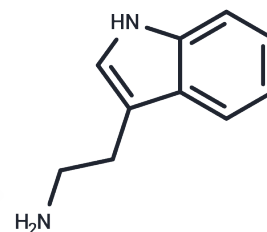


## Tryptamine

## Chemical Properties

CAS No. :	61-54-1
Formula:	C <sub>10</sub> H <sub>12</sub> N <sub>2</sub>
Molecular Weight:	160.22
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	Tryptamine is a monoamine alkaloid found in animals, plants, and fungi. It contains an indole ring structure and is structurally analogous to the tryptophan. It is found in trace amounts in the brains of mammals and is recognized to play a role as a neurotransmitter or neuromodulator.
Targets(IC50)	Aryl Hydrocarbon Receptor, 5-HT Receptor, Endogenous Metabolite, Dehydrogenase, TRP/TRPV Channel

## Solubility Information

Solubility	DMSO: 245 mg/mL (1529.15 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: 2 mg/mL (12.48 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	6.2414 mL	31.2071 mL	62.4142 mL
5 mM	1.2483 mL	6.2414 mL	12.4828 mL
10 mM	0.6241 mL	3.1207 mL	6.2414 mL
50 mM	0.1248 mL	0.6241 mL	1.2483 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

Berman HM, et al. Nucleic Acids Res. 2000 Jan 1;28(1):235-42.

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