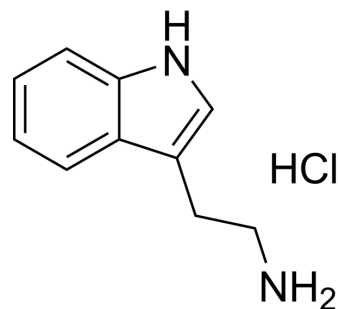


## Tryptamine hydrochloride

<b>Cat. No.:</b>	HY-W014971		
<b>CAS No.:</b>	343-94-2		
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>13</sub> ClN <sub>2</sub>		
<b>Molecular Weight:</b>	196.68		
<b>Target:</b>	Biochemical Assay Reagents		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (508.44 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.0844 mL	25.4220 mL	50.8440 mL
	5 mM	1.0169 mL	5.0844 mL	10.1688 mL
	10 mM	0.5084 mL	2.5422 mL	5.0844 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (12.71 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (12.71 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (12.71 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Tryptamine hydrochloride belongs to the class of indole alkaloids and is a derivative of the amino acid tryptophan. Tryptamine hydrochloride is psychoactive and acts as a neurotransmitter in the body, affecting mood, perception and cognition. In its hydrochloride form, Tryptamine hydrochloride hydrochloride, it is commonly used as a research chemical and as a starting material for the synthesis of other organic compounds. It can also occur naturally in certain plants and animals, including fungi and mammals. Due to the psychoactive properties of Tryptamine hydrochloride and its derivatives, its use and possession are controlled substances in many countries.

#### In Vitro

Tryptamine (hydrochloride) is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

#### CUSTOMER VALIDATION

- Int J Mol Sci. 2022, 23(20), 12420.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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