Harmol

Cat. No.: HY-107811

CAS No.: 487-03-6

Molecular Formula: $C_{12}H_{10}N_2O$

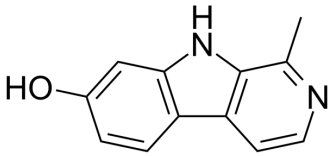
Molecular Weight: 198.22

Target: Monoamine Oxidase

Pathway: Neuronal Signaling

Storage:

Powder	-20°C	3 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 83.33 mg/mL (420.39 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	5.0449 mL	25.2245 mL	50.4490 mL
	5 mM	1.0090 mL	5.0449 mL	10.0898 mL
	10 mM	0.5045 mL	2.5224 mL	5.0449 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (10.49 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (10.49 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Harmol categorized as a β-carboline alkaloid. Harmol is a potent MAO inhibitor used as an analytical reference standard[1].

REFERENCES

[1]. Blei F, et al. Simultaneous Production of Psilocybin and a Cocktail of β-Carboline Monoamine Oxidase Inhibitors in "Magic" Mushrooms. Chemistry. 2020 Jan 13;26(3):729-734.

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

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