

(±)-Vasicine**Chemical Properties**

CAS No. : 6159-56-4

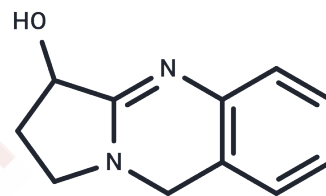
Formula: C₁₁H₁₂N₂O

Molecular Weight: 188.23

Storage: Keep away from moisture, Keep away from direct sunlight

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	(±)-Vasicine is the racemic form of vasicine, suitable for biochemical experiments and drug synthesis research. It inhibits BuChE with an IC ₅₀ of 2.6 μM.
Targets(IC ₅₀)	Cholinesterase (ChE)
In vitro	In the DPPH inhibition assay, (±)-Vasicine demonstrated potent antioxidant activity with an IC ₅₀ value of 71.97 μg/mL[1].

Solubility Information

Solubility	DMSO: 13 mg/mL (69.06 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.3126 mL	26.5632 mL	53.1265 mL
5 mM	1.0625 mL	5.3126 mL	10.6253 mL
10 mM	0.5313 mL	2.6563 mL	5.3126 mL
50 mM	0.1063 mL	0.5313 mL	1.0625 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

Singh VK, et al. Anti-secretory and cyto-protective effects of peganine hydrochloride isolated from the seeds of Peganum harmala on gastric ulcers. Phytomedicine. 2013 Oct 15;20(13):1180-5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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