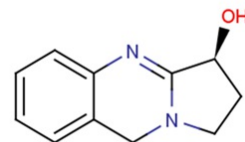


VASICINE

Chemical Properties

CAS No.:	6159-55-3
Formula:	C ₁₁ H ₁₂ N ₂ O
Molecular Weight:	188.23
Appearance:	Solid
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Vasicine is oxytocic and abortifacient agents. Vasicine, a potential natural cholinesterase inhibitor, has been in development for treatment of Alzheimer's disease. Vasicine can regulate the inflammatory reaction, have great potentials to develop safe medications for respiratory and reproductive medicine.
Targets(IC ₅₀)	AChR;Antifection: None

Solubility Information

Solubility	DMSO: 10 mM (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.313 mL	26.563 mL	53.126 mL
5 mM	1.063 mL	5.313 mL	10.625 mL
10 mM	0.531 mL	2.656 mL	5.313 mL
50 mM	0.106 mL	0.531 mL	1.063 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Hasegawa H , Matsumiya S , Uchiyama M , et al. Inhibitory Effect of Some Triterpenoid Saponins on Glucose Transport in Tumor Cells and its Application to *in vitro*, Cytotoxic and Antiviral Activities[J]. *Planta Medica*, 1994, 60(03):240-243.
2. Liu W , Shi X , Yang Y , et al. Correction: In Vitro and In Vivo Metabolism and Inhibitory Activities of Vasicine, a Potent Acetylcholinesterase and Butyrylcholinesterase Inhibitor[J]. *PLOS ONE*, 2015, 10(6):e20129759-.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481