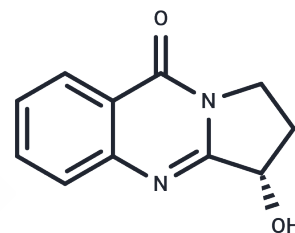


## Vasicinone

## Chemical Properties

CAS No. :	486-64-6
Formula:	C <sub>11</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	202.21
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	Vasicinone may act as a hepatoprotective agent. (±)-Vasicinone has significant antitussive, expectorant, and bronchodilating activities, which can be used to treat respiratory disease. (S)-Vasicinone exhibits antiproliferative activity against human gastric cancer cells MCG-803.
Targets(IC50)	Others
In vitro	The aerial parts of Peganum harmala L. (APP) is a well-known and effective herbal medicine in China, and has been commonly used for treating various ailments, including cough and asthma. OBJECTIVES: To evaluate the antitussive, expectorant, and bronchodilating effects of the quinazoline alkaloids (±)-vasicine (VAS), deoxyvasicine (DVAS) (both isolated from the alkaloid fraction of APP) and (±)-Vasicinone (VAO) (synthesized from VAS). CONCLUSIONS: Quinazoline alkaloids VAS, VAO, and DVAS have significant antitussive, expectorant, and bronchodilating activities. VAS, VAO, and DVAS are the active ingredients in APP, which can be used to treat respiratory disease.

## Solubility Information

Solubility	DMSO: 12 mg/mL (59.34 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

### Preparing Stock Solutions

---

	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	4.9454 mL	24.7268 mL	49.4535 mL
5 mM	0.9891 mL	4.9454 mL	9.8907 mL
10 mM	0.4945 mL	2.4727 mL	4.9454 mL
50 mM	0.0989 mL	0.4945 mL	0.9891 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

Antitussive, expectorant, and bronchodilating effects of quinazoline alkaloids ( $\pm$ )-vasicine, deoxyvasicine, and ( $\pm$ )-vasicinone from aerial parts of *Peganum harmala* L. *Phytomedicine*. 2015 Nov 15;22(12):1088-95.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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:34 Washington Street,Wellesley Hills,MA 02481