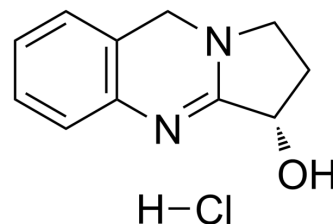


Vasicine hydrochloride

Cat. No.:	HY-N1103A		
CAS No.:	7174-27-8		
Molecular Formula:	C ₁₁ H ₁₃ ClN ₂ O		
Molecular Weight:	224.69		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 130 mg/mL (578.57 mM; Need ultrasonic)
 H₂O : 50 mg/mL (222.53 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.4506 mL	22.2529 mL	44.5058 mL
	5 mM	0.8901 mL	4.4506 mL	8.9012 mL
	10 mM	0.4451 mL	2.2253 mL	4.4506 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: ≥ 2.17 mg/mL (9.66 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.17 mg/mL (9.66 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.17 mg/mL (9.66 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Vasicine hydrochloride (peganine hydrochloride) is a quinazoline alkaloid isolated from *Justicia adhatoda*. Vasicine (peganine) possesses anti- tuberculosis activity^[1].

REFERENCES

[1]. Grange JM, et al. Activity of bromhexine and ambroxol, semi-synthetic derivatives of vasicine from the Indian shrub *Adhatoda vasica*, against *Mycobacterium tuberculosis* in vitro. *J Ethnopharmacol.* 1996 Jan;50(1):49-53.

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

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