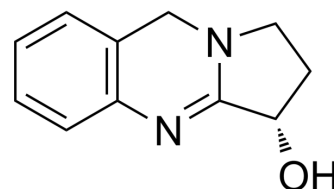


Vasicine

Cat. No.:	HY-N1103
CAS No.:	6159-55-3
Molecular Formula:	C ₁₁ H ₁₂ N ₂ O
Molecular Weight:	188
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 83.33 mg/mL (443.24 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	1 mg	5 mg	10 mg
		1 mM	5.3191 mL	26.5957 mL	53.1915 mL
		5 mM	1.0638 mL	5.3191 mL	10.6383 mL
	10 mM	0.5319 mL	2.6596 mL	5.3191 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: ≥ 2.5 mg/mL (13.30 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (13.30 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (13.30 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Vasicine (peganine) is a quinazoline alkaloid isolated from <i>Justicia adhatoda</i> . Vasicine (peganine) possesses anti-tuberculosis activity ^[1] .
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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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