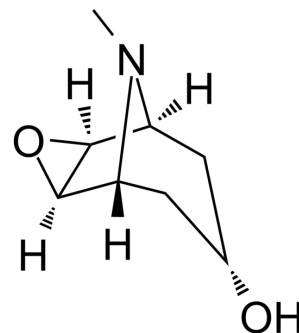


Scopine

Cat. No.:	HY-B0459
CAS No.:	498-45-3
Molecular Formula:	C ₈ H ₁₃ NO ₂
Molecular Weight:	155.19
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (644.37 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	6.4437 mL	32.2186 mL	64.4371 mL
				5 mM	1.2887 mL	6.4437 mL	12.8874 mL
				10 mM	0.6444 mL	3.2219 mL	6.4437 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 (16.11 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (16.11 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (16.11 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Scopine is the metabolite of anisodine, which is a α ₁ -adrenergic receptor agonist and used in the treatment of acute circulatory shock. Target: α ₁ -Adrenergic Receptor Scopine is a tropane alkaloid found in a variety of plants including Mandragora root, Senecio mikanoides (Delairea odorata), Scopolia carniolica and Scopolia lurida. Scopine can be prepared by the hydrolysis of scopolamine. From Wikipedia.
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REFERENCES

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

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