Scopine

Cat. No.: HY-B0459

CAS No.: 498-45-3

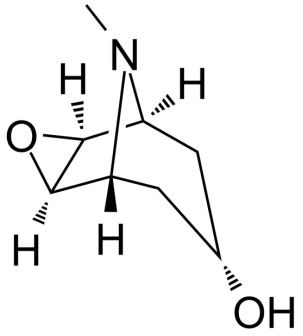
Molecular Formula: $C_8H_{13}NO_2$

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 / Mass / Concentration	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 α1-adrenergic receptor agonist and used in the treatment of acute circulatory shock. Target: α1-Adrenergic ReceptorScopine 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.

REFERENCES

[1]. http://en.wikipedia.org/wiki/Scopine

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