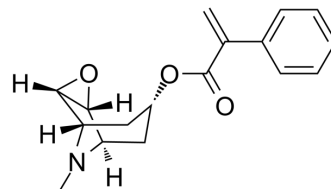


Aposcopolamine

Cat. No.:	HY-N8728
CAS No.:	535-26-2
Molecular Formula:	C ₁₇ H ₁₉ NO ₃
Molecular Weight:	285.34
Target:	Cholinesterase (ChE); Adrenergic Receptor
Pathway:	Neuronal Signaling; GPCR/G Protein
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (87.61 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.5046 mL	17.5230 mL	35.0459 mL
		5 mM		0.7009 mL	3.5046 mL	7.0092 mL
10 mM		0.3505 mL	1.7523 mL	3.5046 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 (8.76 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	Aposcopolamine is an alkaloid that can be isolated from <i>Datura ferox</i> . Aposcopolamine can closely binds with ACHE, ADRA2A and CHRM2. Aposcopolamine can be used for the research of Alzheimer's disease ^[1] .
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REFERENCES

[1]. Yi P, et al. Integrated meta-analysis, network pharmacology, and molecular docking to investigate the efficacy and potential pharmacological mechanism of Kai-Xin-San on Alzheimer's disease. *Pharm Biol.* 2020 Dec;58(1):932-943.

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

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