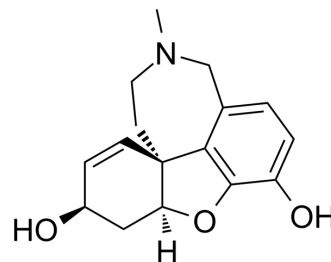


O-Desmethyl Galanthamine

Cat. No.:	HY-131413	
CAS No.:	60755-80-8	
Molecular Formula:	C ₁₆ H ₁₉ NO ₃	
Molecular Weight:	273.33	
Target:	Cholinesterase (ChE)	
Pathway:	Neuronal Signaling	
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 : 100 mg/mL (365.86 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.6586 mL	18.2929 mL	36.5858 mL
		5 mM	0.7317 mL	3.6586 mL	7.3172 mL
10 mM		0.3659 mL	1.8293 mL	3.6586 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 (9.15 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.15 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.15 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	O-Desmethyl Galanthamine (Sanguinine) is galanthamine-type alkaloid. O-Desmethyl Galanthamine is an acetylcholinesterase (AChE) inhibitor, with an IC ₅₀ 1.83 μM ^[1] .
IC ₅₀ & Target	AChE ^[1]

REFERENCES

[1]. Seydou Ka, et al. Gigantelline, gigantellinine and gigancrinine, cherylline- and crinine-type alkaloids isolated from *Crinum jagus* with anti-acetylcholinesterase activity. *Phytochemistry*. 2020 Jul;175:112390.

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

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