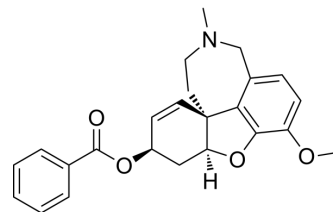


Benzgalantamine

Cat. No.:	HY-101710
CAS No.:	224169-27-1
Molecular Formula:	C ₂₄ H ₂₅ NO ₄
Molecular Weight:	391.46
Target:	Others
Pathway:	Others
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 (255.45 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		2.5545 mL	12.7727 mL	25.5454 mL
		5 mM		0.5109 mL	2.5545 mL	5.1091 mL
		10 mM		0.2555 mL	1.2773 mL	2.5545 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 (6.39 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.39 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.39 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Benzgalantamine (GLN-1062) is a pro-agent of galantamine, used for the treatment for Alzheimer's disease.
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REFERENCES

[1]. Maelicke A, et al. Memogain is a galantamine pro-drug having dramatically reduced adverse effects and enhanced efficacy. J Mol Neurosci. 2010 Jan;40(1-2):135-7.

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

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