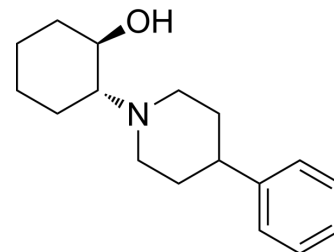


(-)-Vesamicol

Cat. No.:	HY-113995	
CAS No.:	112709-59-8	
Molecular Formula:	C ₁₇ H ₂₅ NO	
Molecular Weight:	259.39	
Target:	mAChR	
Pathway:	GPCR/G Protein; Neuronal Signaling	
Storage:	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (385.52 mM; ultrasonic and warming and heat to 80°C)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	3.8552 mL	19.2760 mL	38.5520 mL
			5 mM	0.7710 mL	3.8552 mL	7.7104 mL
	10 mM	0.3855 mL	1.9276 mL	3.8552 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 5 mg/mL (19.28 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	(-)-Vesamicol (AH5183) is an inhibitor of acetylcholine transport into synaptic vesicles, with the IC ₅₀ of 75 nM ^[1] . (-)-Vesamicol can be used for release and recycling of synaptic vesicles study ^[1] .
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REFERENCES

[1]. Searl T, et al. Acetylcholine recycling and release at rat motor nerve terminals studied using (-)-vesamicol and troxpyrrolium. J Physiol. 1991;444:99-116.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA