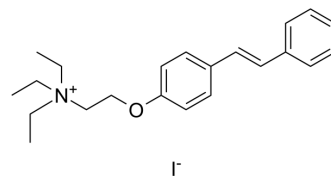


## MG624

Cat. No.:	HY-107672
CAS No.:	77257-42-2
Molecular Formula:	C <sub>22</sub> H <sub>30</sub> INO
Molecular Weight:	451.38
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (221.54 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.2154 mL	11.0771 mL	22.1543 mL
		5 mM		0.4431 mL	2.2154 mL	4.4309 mL
10 mM		0.2215 mL	1.1077 mL	2.2154 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 (5.54 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.54 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	MG624 is a potent and selective neuronal α7 nAChR antagonist with a K <sub>i</sub> of 106 nM <sup>[1]</sup> .
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### REFERENCES

[1]. Maggi L, et al. Selective effects of a 4-oxystilbene derivative on wild and mutant neuronal chick alpha7 nicotinic receptor. Br J Pharmacol. 1999 Jan;126(1):285-95.

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**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](mailto:tech@MedChemExpress.com)

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