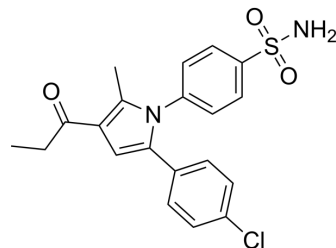


A-867744

Cat. No.:	HY-12149		
CAS No.:	1000279-69-5		
Molecular Formula:	C ₂₀ H ₁₉ ClN ₂ O ₃ S		
Molecular Weight:	402.89		
Target:	nAChR		
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (248.21 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
	Concentration			
	1 mM	2.4821 mL	12.4103 mL	24.8207 mL
	5 mM	0.4964 mL	2.4821 mL	4.9641 mL
	10 mM	0.2482 mL	1.2410 mL	2.4821 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (6.21 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (6.21 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

A-867744 is a highly potent and selective type II positive allosteric modulator (PAM) of the alpha7 nicotinic acetylcholine receptors (nAChR) with an EC₅₀ of 1.0 μM^[1].

IC₅₀ & Target

EC₅₀: 1.0 μM (alpha7 nAChR)^[1]

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