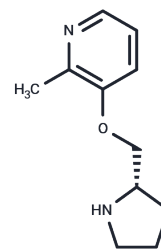


Pozanicline

Chemical Properties

CAS No. :	161417-03-4
Formula:	C ₁₁ H ₁₆ N ₂ O
Molecular Weight:	192.26
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Pozanicline reverses nicotine withdrawal-induced cognitive deficits, may be an effective component of novel therapeutic strategies for nicotine addiction. Pozanicline selectively activate neuronal nicotinic acetylcholine receptor (nAChR) subtypes, is a novel cholinergic agent that is a partial agonist at $\alpha 4\beta 2$ nAChRs ($K_i=16$ nM). It shows high selectivity for $\alpha 6\beta 2$ and $\alpha 4\alpha 5\beta 2$ nAChR subtypes, the binding affinity (K_i , rat) for Pozanicline to [3H] cytosine sites is 16.7 nM .
Targets(IC50)	AChR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.2013 mL	26.0064 mL	52.0129 mL
5 mM	1.0403 mL	5.2013 mL	10.4026 mL
10 mM	0.5201 mL	2.6006 mL	5.2013 mL
50 mM	0.104 mL	0.5201 mL	1.0403 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Sullivan JP, et al. ABT-089 [2-methyl-3-(2-(S)-pyrrolidinylmethoxy)pyridine]: I. A potent and selective cholinergic channel modulator with neuroprotective properties. J Pharmacol Exp Ther. 1997 Oct;283(1):235-46.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481