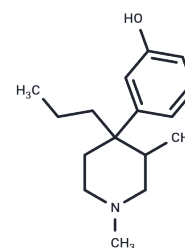


Picenadol

Chemical Properties

CAS No. :	2650427-35-1
Formula:	C ₁₆ H ₂₅ NO
Molecular Weight:	247.38
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Picenadol (LY 150720) is a racemic mixture of N-methyl-4-phenylpiperidine derivatives with agonist-antagonist opioid properties. Picenadol has central analgesic activity.
Targets(IC50)	Others
In vivo	The effects of Picenadol (LY150720) (0.3-3.0 mg/kg), its agonist (dextro) isomer LY136596 (0.3-1.7 mg/kg) and morphine (0.03-1.0 mg/kg) were studied alone and in combination with naloxone (0.001-1.0 mg/kg) in squirrel monkeys whose responding was maintained under a multiple fixed-ratio 30-response fixed-interval 5-minute (mult FR-30 FI 5-min) schedule of food presentation. LY150720, LY136596, and morphine generally decreased responding under both schedule components, although in several instances increases in responding under the FI component were noted, particularly following LY150720 and LY136596. The rate-decreasing effects of morphine, LY150720, and LY136596 were reversed by naloxone; doses of naloxone required to reverse the effects of all three drugs were comparable. When combined with morphine, naloxone restored rates and patterns of responding to control values, whereas combinations of LY150720 or LY136596 and naloxone increased responding under the FI component in excess of control values. These increases appear to be due to the anticholinergic actions of LY150720 and LY136596, as they are reversed by physostigmine (0.01 mg/kg), and similar increases are produced by scopolamine (0.01-0.1 mg/kg).[1]

Solubility Information

Solubility	DMSO: 55 mg/mL (222.33 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0424 mL	20.2118 mL	40.4236 mL
5 mM	0.8085 mL	4.0424 mL	8.0847 mL
10 mM	0.4042 mL	2.0212 mL	4.0424 mL
50 mM	0.0808 mL	0.4042 mL	0.8085 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Carter RB, et al. Effects of LY150720 (picenadol), a novel mixed-action opioid, on schedule-controlled responding in the squirrel monkey. *Pharmacol Biochem Behav.* 1984 Nov;21(5):779-86.

Carter RB, et al. Effects of picenadol (LY150720) and its stereoisomers on electric shock titration in the squirrel monkey. *J Pharmacol Exp Ther.* 1985 Aug;234(2):299-306.

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:34 Washington Street,Wellesley Hills,MA 02481