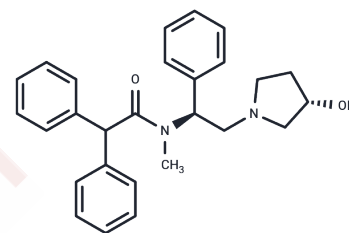


Asimadoline

Chemical Properties

CAS No. :	153205-46-0
Formula:	C ₂₇ H ₃₀ N ₂ O ₂
Molecular Weight:	414.54
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	Asimadoline (EMD-61753) is a proprietary small molecule therapeutic, originally discovered by Merck KGaA of Darmstadt, Germany. Asimadoline was originally developed to treat peripheral pain such as arthritis. Asimadoline is an orally administered agent that acts as a kappa opioid receptor agonist. It has shown encouraging clinical efficacy for the treatment of IBS in a barostat study in IBS patients and has the potential for treating other gastrointestinal diseases.
Targets(IC50)	Opioid Receptor

Solubility Information

Solubility	DMSO: 103.3 mg/mL (249.19 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4123 mL	12.0616 mL	24.1231 mL
5 mM	0.4825 mL	2.4123 mL	4.8246 mL
10 mM	0.2412 mL	1.2062 mL	2.4123 mL
50 mM	0.0482 mL	0.2412 mL	0.4825 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

Camilleri, m. (2008). Novel pharmacology: asimadoline, a κ -opioid agonist, and visceral sensation. *Neurogastroenterology & Motility*, 20(9), 971-979. doi: 10.1111/j.1365-2982.2008.01183.x

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