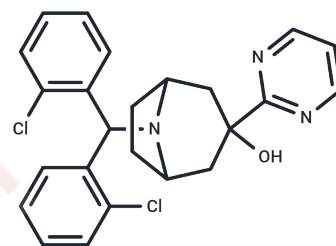


SCH-486757

Chemical Properties

CAS No. : 524019-25-8
 Formula: C₂₄H₂₃Cl₂N₃O
 Molecular Weight: 440.37
 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	SCH-486757 is an agonist of nociceptin-1 (NOP1) and orphanin FQ peptide receptors and is used in the study of cough.
Targets(IC50)	Opioid Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2708 mL	11.3541 mL	22.7082 mL
5 mM	0.4542 mL	2.2708 mL	4.5416 mL
10 mM	0.2271 mL	1.1354 mL	2.2708 mL
50 mM	0.0454 mL	0.2271 mL	0.4542 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

- McLeod RL, et al. Where are the new cough treatments: a debriefing of recent clinical proof-of-concept trials with the NOP agonist SCH 486757. *Pharmacology*. 2011;88(1-2):50-4.
- Enright BP, et al. Effects of SCH 486757, a nociceptin-1 receptor agonist, on fertility and reproductive hormone levels in female CRL:CD®[SD] rats. *Birth Defects Res B Dev Reprod Toxicol*. 2012 Feb;95(1):12-22.
- McLeod RL, et al. Pharmacological profile of the NOP agonist and cough suppressing agent SCH 486757 (8-[Bis(2-Chlorophenyl)Methyl]-3-(2-Pyrimidinyl)-8-Azabicyclo[3.2.1]Octan-3-Ol) in preclinical models. *Eur J Pharmacol*. 2010 Mar 25;630(1-3):112-20.
- Penner NA, et al. Identification of two novel metabolites of SCH 486757, a nociceptin/orphanin FQ peptide receptor agonist, in humans. *Drug Metab Dispos*. 2010 Nov;38(11):2067-74.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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