Data Sheet (Cat.No.T10294)

TargetMol

AM9405

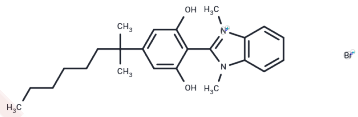
Chemical Properties

CAS No. :

Formula: C24H33BrN2O2

Molecular Weight: 461.44

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	AM9405 is a novel peripherally active cannabinoid type 1 (CB1) and serotonin type 3 receptor agonist. It inhibits twitch contraction of the ileum and colon with IC50 values of 45.71 nM and 0.076 nM, respectively. AM9405 significantly slowed mouse intestinal motility under physiological conditions and reversed hypermotility, reducing pain in mouse models that mimic symptoms of functional GI disorders, such as stress-induced diarrhea and writhing test.
Targets(IC50)	Cannabinoid Receptor,5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1671 mL	10.8356 mL	21.6713 mL
5 mM	0.4334 mL	2.1671 mL	4.3343 mL
10 mM	0.2167 mL	1.0836 mL	2.1671 mL
50 mM	0.0433 mL	0.2167 mL	0.4334 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

Salaga M, et al. The novel peripherally active cannabinoid type 1 and serotonin type 3 receptor agonist AM9405 inhibits gastrointestinal motility and reduces abdominal pain in mouse models mimicking irritable bowel syndrome. Eur J Pharmacol. 2018 Oct 5;836:34-43.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481