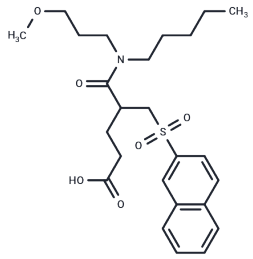
Data Sheet (Cat.No.T12404)

TargetMol

CCK-A receptor inhibitor 1

Chemical Properties



CAS No. : 137004-80-9

Formula: C25H35NO6S

Molecular Weight: 477.61

Storage: Store at low temperature
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	CCK-A receptor inhibitor 1 is a potent cholecystokinin A (CCK-A) receptor inhibitor (IC50: 340 nM) and can be used to study digestive system-related diseases.
Targets(IC50)	Cholecystokinin Receptor
In vitro	In order to study structure-activity relationships, a naphthyl sulfone derivative named CCK-A receptor inhibitor 1 (Compound 7c) has been synthesized and tested for inhibitory activity against cholecystokinin A (CCK-A) receptors. CCK-A receptor inhibitor 1, characterized by very hydrophobic sidechains, exhibits significant inhibitory activities against CCK-A receptors[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0938 mL	10.4688 mL	20.9376 mL
5 mM	0.4188 mL	2.0938 mL	4.1875 mL
10 mM	0.2094 mL	1.0469 mL	2.0938 mL
50 mM	0.0419 mL	0.2094 mL	0.4188 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

Ajisawa Y, et al. [Studies on the synthesis of cholecystokinin A receptor antagonists. III. Synthesis and cholecystokinin A receptor inhibitory activities of naphthyl sulfone derivatives]. Yakugaku Zasshi. 1996 Aug;116(8): 647-56.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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