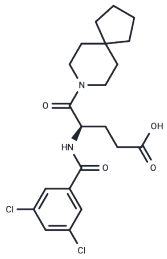
Data Sheet (Cat.No.T68016)

TargetMol

Spiroglumide

Chemical Properties



CAS No. : 137795-35-8

Formula: C21H26Cl2N2O4

Molecular Weight: 441.35

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	Spiroglumide, a CCKB-gastrin antagonist that inhibits dose-dependent pentagastrin-induced acid hypersecretion with an ID50 of 20.1 (8.67-46.4) mg / kg, could be used to explore the physiological role of gastrin in the regulation of human gastric acid secretion.
Targets(IC50)	Cholecystokinin Receptor
In vivo	Spiroglumide (25、50、75、100 mg/kg; rat) dose-dependent inhibition of pentagastrin (16 μg/kg/h) induced acid hypersecretion.[1]

Solubility Information

Solubility	DMSO: 50 mg/mL (113.29 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2658 mL	11.3289 mL	22.6578 mL
5 mM	0.4532 mL	2.2658 mL	4.5316 mL
10 mM	0.2266 mL	1.1329 mL	2.2658 mL
50 mM	0.0453 mL	0.2266 mL	0.4532 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

Scarpignato C, et al. Effect of dexloxiglumide and spiroglumide, two new CCK-receptor antagonists, on gastric emptying and secretion in the rat: evaluation of their receptor selectivity in vivo. Aliment Pharmacol Ther. 1996;10 (3):411-419.

Makovec F, et al. Structure-antigastrin activity relationships of new spiroglumide amido acid derivatives. J Med Chem. 1996;39(1):135-142.

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