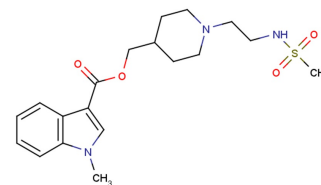


GR 113808

Chemical Properties

CAS No.:	144625-51-4
Formula:	C19H27N3O4S
Molecular Weight:	393.5
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	GR 113808 displays 300-fold selectivity over 5-HT1A, 5-HT1B, 5-HT2A, 5-HT2C and 5-HT3 receptors. GR 113808 is a potent and highly selective antagonist of 5-HT4 receptor (pKb= 8.8).
Targets(IC ₅₀)	5-HT4 Receptor: None 5-HT1A Receptor: None 5-HT3 Receptor: None 5-HT2A Receptor: None 5-HT2C Receptor: None
In vivo	GR113808 (i.p.; 1 mg/kg; 5-7 days starting 24 h after induction of colitis) displays a obviously enhance in the disease activity index which includes evaluation of weight loss, stool consistency, and presence of fecal blood [2].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.541 mL	12.706 mL	25.413 mL
5 mM	0.508 mL	2.541 mL	5.083 mL
10 mM	0.254 mL	1.271 mL	2.541 mL
50 mM	0.051 mL	0.254 mL	0.508 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Gale JD, et al. GR113808: a novel, selective antagonist with high affinity at the 5-HT4 receptor. *Br J Pharmacol.* 1994 Jan;111(1):332-8.
- Spohn SN, et al. Protective Actions of Epithelial 5-Hydroxytryptamine 4 Receptors in Normal and Inflamed Colon. *Gastroenterology.* 2016 Nov;151(5):933-944.e3.

Inhibitors · Natural Compounds · Compound Libraries

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