

Plecanatide acetate

Chemical Properties

CAS No.:	1075732-84-1
Formula:	C67H108N18O28S4
Molecular Weight:	1741.94
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Plecanatide acetate is a agonist of guanylate cyclase-C (GC-C) receptor(EC50 of 190 nM in T84 cells), and shows anti-inflammatory activity in models of murine colitis.
Targets(IC50)	Others: None
In vitro	Plecanatide acetate is a GC-C receptor agonist, binds and activates GC-C receptor(EC50 of 190 nM in T84 cells) [1].

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	0.574 mL	2.87 mL	5.741 mL
5 mM	0.115 mL	0.574 mL	1.148 mL
10 mM	0.057 mL	0.287 mL	0.574 mL
50 mM	0.011 mL	0.057 mL	0.115 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

1. Shailubhai K, et al. Plecanatide and dolcanatide, novel guanylate cyclase-C agonists, ameliorate gastrointestinal inflammation in experimental models of murine colitis. World J Gastrointest Pharmacol Ther. 2015 Nov 6;6(4):213-22.

Inhibitors · Natural Compounds · Compound Libraries

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