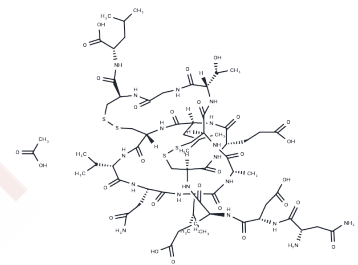


Plecanatide acetate

Chemical Properties

CAS No. :	1075732-84-1
Formula:	C67H108N18O28S4
Molecular Weight:	1741.94
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



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,Guanylate cyclase
In vitro	Plecanatide acetate is a GC-C receptor agonist, binds and activates GC-C receptor(EC50 of 190 nM in T84 cells)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5741 mL	2.8704 mL	5.7407 mL
5 mM	0.1148 mL	0.5741 mL	1.1481 mL
10 mM	0.0574 mL	0.287 mL	0.5741 mL
50 mM	0.0115 mL	0.0574 mL	0.1148 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

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.

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