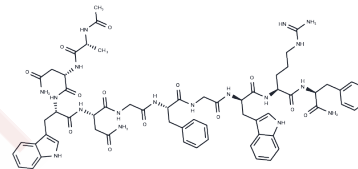


Kisspeptin 234

Chemical Properties

CAS No. :	1145998-81-7
Formula:	C63H78N18O13
Molecular Weight:	1295.42
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	Kisspeptin 234 is a kisspeptin receptor (KISS1, GPR54) antagonist; kisspeptin-10 analog. Inhibits kisspeptin-10 stimulation of inositol phosphate (IP) (IC50 = 7 nM) and release of gonadotrophin-releasing hormone (GnRH).
Targets(IC50)	Kisspeptin

Solubility Information

Solubility	H2O: 1 mg/mL (0.77 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.772 mL	3.8598 mL	7.7195 mL
5 mM	0.1544 mL	0.772 mL	1.5439 mL
10 mM	0.0772 mL	0.386 mL	0.772 mL
50 mM	0.0154 mL	0.0772 mL	0.1544 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

Roseweir et al (2009) Discovery of potent kisspeptin antagonists delineate physiological mechanisms of gonadotrophin regulation. J.Neurosci. 29 3920 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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