

## Kisspeptin 234 acetate(1145998-81-7 free base)

## Chemical Properties

CAS No. :

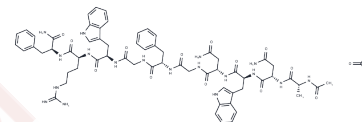
Formula: C<sub>65</sub>H<sub>82</sub>N<sub>18</sub>O<sub>15</sub>

Molecular Weight: 1355.46

Keep away from moisture

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	Kisspeptin 234 acetate(1145998-81-7 free base) is a Kisspeptin receptor (KISS1, GPR54) antagonist; a Kisspeptin-10 analogue. It inhibits the stimulation of inositol phosphate (IP) (IC <sub>50</sub> = 7 nM) and the release of gonadotropin-releasing hormone (GnRH) by kisspeptin-10.
Targets(IC <sub>50</sub> )	GPCR,Kisspeptin

## Solubility Information

Solubility	H <sub>2</sub> O: 20.83 mg/mL (15.37 mM),Sonication is recommended. DMSO: 25 mg/mL (18.44 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	0.7378 mL	3.6888 mL	7.3776 mL
5 mM	0.1476 mL	0.7378 mL	1.4755 mL
10 mM	0.0738 mL	0.3689 mL	0.7378 mL
50 mM	0.0148 mL	0.0738 mL	0.1476 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:

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