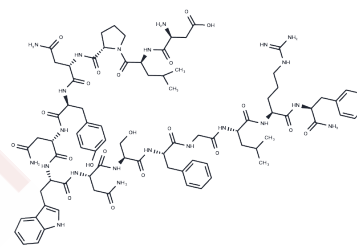


Kisspeptin-14 human

Chemical Properties

CAS No. :	374675-19-1
Formula:	C82H112N22O21
Molecular Weight:	1741.9
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-14 human is an active fragment peptide of Kisspeptin, comprising 14 amino acids encoded by the KiSS-1 gene. Kisspeptin-14 human acts as a GPR54 agonist, exhibiting Ki values of 1.65 and 2.04 nM for human and rat GPR54 receptors, respectively, in CHO-K1 cells, with corresponding EC50 values of 7.22 and 1.33 nM.
Targets(IC50)	GPCR,Kisspeptin

Solubility Information

Solubility	DMSO: 80 mg/mL (45.93 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5741 mL	2.8704 mL	5.7409 mL
5 mM	0.1148 mL	0.5741 mL	1.1482 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

- Tena-Sempere M. GPR54 and kisspeptin in reproduction[J]. Human Reproduction Update, 2006, 12(5): 631-639.
Chen, X., et al., (2025). Kisspeptin Receptor Agonists and Antagonists: Strategies for Discovery and Implications for Human Health and Disease. International journal of molecular sciences, 26(10), 4890.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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