

Kisspeptin 10 (dog)

Chemical Properties

CAS No. :

Formula: C65H87N17O14

Molecular Weight: 1330.51

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	Endogenous ligand for the canine KISS1 receptor (Kisspeptin receptor or GPR54). Stimulates secretion of luteinizing hormone, follicle stimulating hormone and estradiol in vivo.
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Solubility Information

Solubility	20% ethanol / water: 1 mg/mL (0.75 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	0.7516 mL	3.758 mL	7.5159 mL
5 mM	0.1503 mL	0.7516 mL	1.5032 mL
10 mM	0.0752 mL	0.3758 mL	0.7516 mL
50 mM	0.015 mL	0.0752 mL	0.1503 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

Albers-Wolthers et al (2014) Identification of a novel kisspeptin with high gonadotrophin stimulatory activity in the dog. Neuroendocrinology 99 178 PMID:

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