

des-Gln14-Ghrelin (rat)

Chemical Properties

CAS No.:	293735-04-3
Formula:	C142H237N43O40
Molecular Weight:	3186.7
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	An endogenous ligand for the ghrelin receptor (GHS-R1a), produced by alternative splicing of the rat ghrelin gene. Potently induces Ca ²⁺ release in cells expressing ghrelin receptors (EC ₅₀ = 2.4 nM) and stimulates GH release in vivo.
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Solubility Information

Solubility	water: 2 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.314 mL	1.569 mL	3.138 mL
5 mM	0.063 mL	0.314 mL	0.628 mL
10 mM	0.031 mL	0.157 mL	0.314 mL
50 mM	0.006 mL	0.031 mL	0.063 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Hosoda et al (2000) Purification and characterization of rat des-Gln14-ghrelin, a second endogenous ligand for the GH secretagogue receptor. J.Biol.Chem. 275 21995 PMID:

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