

Prolactin Releasing Peptide (1-31), human

Chemical Properties

CAS No. : 215510-22-8

Formula: C160H252N56O42S

Molecular Weight: 3664.15

SRTHRHSMIEIRTPDINPAWYASRGIRPVGRF-NH₂

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	Prolactin Releasing Peptide (1-31), human, is a high-affinity GPR10 ligand that induces prolactin release. It binds to GPR10 with Kis of 1.03 nM in humans and 0.33 nM in rats. Prolactin-releasing peptide is a specific prolactin-releasing peptide.
Targets(IC50)	GNRH Receptor

Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2729 mL	1.3646 mL	2.7291 mL
5 mM	0.0546 mL	0.2729 mL	0.5458 mL
10 mM	0.0273 mL	0.1365 mL	0.2729 mL
50 mM	0.0055 mL	0.0273 mL	0.0546 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

Langmead CJ, et al. Characterization of the binding of [(125)I]-human prolactin releasing peptide (PrRP) to GPR10, a novel G protein coupled receptor. Characterization of the binding of [(125)I]-human prolactin releasing peptide (PrRP) to GPR10, a novel G protein coupled receptor.

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