

PG-931

Chemical Properties

CAS No. : 667430-81-1

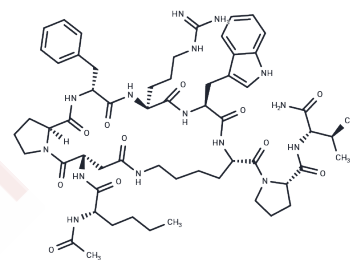
Formula: C59H85N15O11

Molecular Weight: 1180.41

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	Potent and selective melanocortin 4 (MC4) receptor agonist (IC50 values are 0.58 and 55 nM for human MC4 and MC3 receptors respectively). Produces a rapid and dose dependent restoration of cardiovascular and respiratory function in hemorrhage-shocked rats.
Targets(IC50)	Melanocortin Receptor

Solubility Information

Solubility	25% ethanol / water: 2 mg/mL (1.69 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	0.8472 mL	4.2358 mL	8.4716 mL
5 mM	0.1694 mL	0.8472 mL	1.6943 mL
10 mM	0.0847 mL	0.4236 mL	0.8472 mL
50 mM	0.0169 mL	0.0847 mL	0.1694 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

Giuliani et al (2007) Selective melanocortin MC4 receptor agonists reverse haemorrhagic shock and prevent multiple organ damage. Br.J.Pharmacol. 150 595 PMID:

Grieco et al (2003) Extensive structure-activity studies of lactam derivatives of MT-II and SHU-9119: their activity and selectivity at human melanocortin receptors 3, 4, and 5. J.Pept.Res. 62 199 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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