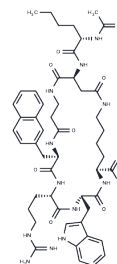


PG106

Chemical Properties

CAS No. : 944111-22-2
 Formula: C₅₁H₆₉N₁₃O₉
 Molecular Weight: 1008.19
 Storage: Keep away from moisture
 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	Selective hMC3 receptor antagonist (IC ₅₀ = 210 nM). Exhibits no activity at hMC4 receptors and hMC5 receptors.
Targets(IC ₅₀)	Melanocortin Receptor

Solubility Information

Solubility	25% ethanol / water: 1 mg/mL (0.99 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	0.9919 mL	4.9594 mL	9.9188 mL
5 mM	0.1984 mL	0.9919 mL	1.9838 mL
10 mM	0.0992 mL	0.4959 mL	0.9919 mL
50 mM	0.0198 mL	0.0992 mL	0.1984 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

Grieco et al (2007) Further structure-activity studies of lactam derivatives of MT-II and SHU-9119: their activity and selectivity at human melanocortin receptors 3, 4, and 5. Peptides. 28 1191 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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