

PG 106 acetate

Chemical Properties

CAS No. :

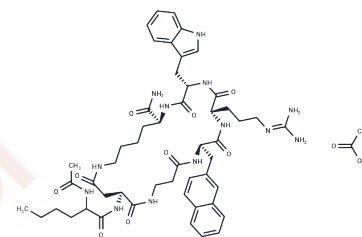
Formula: C53H73N13O11

Molecular Weight: 1068.23

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	PG 106 acetate is an effective and selective antagonist of the human melanocortin 3 (hMC3) receptor with an IC50 of 210 nM. PG 106 acetate has no activity with the hMC5 receptor and hMC4 receptors with an EC50 of 9900 nM.
Targets(IC50)	Melanocortin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9361 mL	4.6806 mL	9.3613 mL
5 mM	0.1872 mL	0.9361 mL	1.8723 mL
10 mM	0.0936 mL	0.4681 mL	0.9361 mL
50 mM	0.0187 mL	0.0936 mL	0.1872 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

Paolo Grieco, et al. 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

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