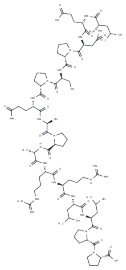
Data Sheet (Cat.No.TP2073)

TargetMol

BigLEN(mouse)

Chemical Properties



CAS No. : 501036-69-7

Formula: C78H130N24O22

Molecular Weight: 1756.03

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	GPR171 agonist. ProSAAS-derived neuropeptide. Regulates food intake in mice. Inhibits the release of glutamate onto parvocellular neurons of the paraventricular nucleus in a process dependent upon activation of postsynaptic G proteins.
Targets(IC50)	GPCR

Solubility Information

Solubility	H2O: 2 mg/mL (1.14 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5695 mL	2.8473 mL	5.6947 mL
5 mM	0.1139 mL	0.5695 mL	1.1389 mL
10 mM	0.0569 mL	0.2847 mL	0.5695 mL
50 mM	0.0114 mL	0.0569 mL	0.1139 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

Wardman et al (2011) ProSAAS-derived peptides are colocalized with neuropeptide Y and function as neuropeptides in the regulation of food intake. PLoS One 6 e28152 PMID:
Mack et al (2019) Neuropeptide PEN and its receptor GPR83: distribution, signaling, and regulation. ACS Chem. Neurosci. 10 1884 PMID:

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