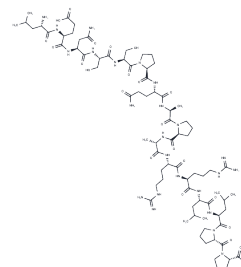


BigLEN(rat)

Chemical Properties

CAS No. :	369377-66-2
Formula:	C76H128N24O23
Molecular Weight:	1746
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Potent GPR171 agonist (EC50 = 1.6 nM). ProSAAS-derived peptide. Regulates body weight in mice and promotes the outgrowth of neurites in Neuro2A cells.
Targets(IC50)	GPCR

Solubility Information

Solubility	H2O: 2 mg/mL (1.15 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	0.5727 mL	2.8637 mL	5.7274 mL
5 mM	0.1145 mL	0.5727 mL	1.1455 mL
10 mM	0.0573 mL	0.2864 mL	0.5727 mL
50 mM	0.0115 mL	0.0573 mL	0.1145 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

Gomes et al (2013) GPR171 is a hypothalamic G protein-coupled receptor for BigLEN, a neuropeptide involved in feeding. Proc.Natl.Acad.Sci.USA. 110 16211 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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