

Oxyntomodulin

Chemical Properties

CAS No. :	62340-29-8
Formula:	C192H295N59O60S
Molecular Weight:	4421.86
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>

HSQGTFTSDYSKYLDSRRAQDFVQWLMNTKRNKNIA

Biological Description

Description	GLP-1 receptor agonist. Endogenous proglucagon-derived neuropeptide that modulates feeding and metabolism. Also secreted by intestinal L-cells. Increases cAMP production and inhibits gastric acid secretion in rat stomach. Also weak glucagon receptor agonist.
Targets(IC50)	Glucagon Receptor

Solubility Information

Solubility	H2O: 1 mg/mL (0.23 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	0.2261 mL	1.1307 mL	2.2615 mL
5 mM	0.0452 mL	0.2261 mL	0.4523 mL
10 mM	0.0226 mL	0.1131 mL	0.2261 mL
50 mM	0.0045 mL	0.0226 mL	0.0452 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

Bataille et al (1981) Bioactive enteroglucagon (oxyntomodulin): present knowledge on its chemical structure and its biological activities. Peptides 2 41 PMID:

Stumpel et al (1997) A new role for enteric glucagon-37: acute stimulation of glucose absorption in rat small intestine. FEBS Lett. 410 515 PMID:

Jarrousse et al (1985) Oxyntomodulin (glucagon-37) and its C-terminal octapeptide inhibit gastric acid secretion. FEBS Lett. 188 81 PMID:

Vrang and Larsen et al (2010) Preproglucagon derived peptides GLP-1, GLP-2 and oxyntomodulin in the CNS: role of peripherally secreted and centrally produced peptides. Prog.Neurobiol. 92 442 PMID:

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