

Amylin, amide, human

Chemical Properties

CAS No. :	122384-88-7
Formula:	C165H261N51O55S2
Molecular Weight:	3903.28
Appearance:	no data available
Storage:	keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year

KONTATCATQRLANFLVHSSNFGAILSTNVGSNTY-NH₂ (Disulfide bridge: Cys₆-Cys₁₁)

Biological Description

Description	Amylin, a 37-amino acid polypeptide that is structurally related to calcitonin, is secreted from the B cells of the pancreas. Amylin has anorectic effects in rats. Amylin may be responsible for the etiology of insulin resistance of type II diabetes mellitus through its modulation of peripheral effects of insulin.
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Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2562 mL	1.281 mL	2.5619 mL
5 mM	0.0512 mL	0.2562 mL	0.5124 mL
10 mM	0.0256 mL	0.1281 mL	0.2562 mL
50 mM	0.0051 mL	0.0256 mL	0.0512 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.

Reference

Sisnande T, et al. Monoconjugation of Human Amylin with Methylpolyethyleneglycol. PLoS One. 2015 Oct 8;10(10):e0138803.

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