

## Amylin, amide, rat

## Chemical Properties

CAS No. : 124447-81-0

Formula: C167H272N52O53S2

Molecular Weight: 3920.44

Keep away from moisture, Store at low temperature

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

KONTATCATGRLANFLVRSNNLGPVLPPTNVGSNTY-NH<sub>2</sub> (Disulfide bridge: Cys<sub>1</sub>-Cys<sub>6</sub>)

## Biological Description

Description	Amylin is a peptide that displays 50% homology with calcitonin gene-related peptide (CGRP), Amylin is colocalized with somatostatin in endocrine cells of the gastric fundus. In isolated mouse stomach, amylin caused a concentration-dependent decrease in acid secretion.
Targets(IC50)	Amylin Receptor

## 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	0.2551 mL	1.2754 mL	2.5507 mL
5 mM	0.051 mL	0.2551 mL	0.5101 mL
10 mM	0.0255 mL	0.1275 mL	0.2551 mL
50 mM	0.0051 mL	0.0255 mL	0.051 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

Bower RL, et al. Amylin structure-function relationships and receptor pharmacology: implications for Amylin mimetic drug development. Br J Pharmacol. 2016 Jun;173(12):1883-98.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481