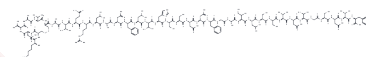


## Amylin, amide, human

## 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



## Biological Description

Description	Amylin, amide, human is a 37-amino acid peptide hormone co-secreted with insulin to regulate postprandial glucose levels, reducing glucagon secretion and delays gastric emptying. DAP Amide's tendency to aggregate into amyloid fibrils is associated with pancreatic $\beta$ -cell damage in type 2 diabetes.
Targets(IC50)	Amylin Receptor
In vitro	Treatment of MCF-7 cells with Amylin, amide, human (0.001 nM, 0.01 nM, 0.1 nM, 1 nM, 10 nM, 100 nM, 1 $\mu$ M, 10 $\mu$ M, 100 $\mu$ M, 1000 $\mu$ M) resulted in a cAMP50 value of 35.2 $\pm$ 7.5 nM using an EC. [1]
In vivo	Amylin, amide, human (400 $\mu$ g/kg, subcutaneous injection) was administered to Swiss male mice, and a typical PK profile of free amylin, amide, human was observed with a half-life of 23 minutes. [1]

## Solubility Information

Solubility	H2O: 2 mg/mL (0.51 mM),when pH is adjusted to 1 with HCl. Sonication is recommended. DMSO: 1 mg/mL (0.26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286    E\_mail: [info@targetmol.com](mailto:info@targetmol.com)    Address: 36 Washington Street, Wellesley Hills, MA 02481