Data Sheet (Cat.No.T76480L)

TargetMol

Amylin (1-37), human acetate

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Amylin (1-37), human acetate (hIAPP (1-37), acetate), a peptide hormone containing 37 amino acids secreted by the pancreas in conjunction with insulin, inhibits glucagon secretion and produces satiety during glucose homeostasis, and is a major component of amyloid deposits in the pancreas of patients with type 2 diabetes.
Targets(IC50)	Amylin Receptor
In vivo	Selected pharmaco-chaperones were co-administered intraperitoneally with Amylin (1-37), human acetate into hIAPP transgenic mice for 5 consecutive days. Compared to hIAPP-only controls, mice receiving chaperones B and E showed markedly reduced islet amyloid deposition, preserved islet architecture, and enhanced insulin immunoreactivity [1].

Solubility Information

Solubility	Acetic acid: 4.04 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)

Reference

Fernández-Gómez I, et al. Diabetes Drug Discovery: hIAPP1-37 Polymorphic Amyloid Structures as Novel Therapeutic Targets. Molecules. 2018 Mar 19;23(3):686.

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