

Rev01
Update: Dec,28,2022

DATASHEET

Amylin, human, amide

Cat. No.: RP11278

Overview

Synonyms	Diabetes-Associated Peptide (DAP), amide, humanInsulinoma or islet amyloid polypeptide (IAPP)
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. Amylin blocks the activation of glycogen synthase by insulin.
Cas No	122384-88-7
Sequence	{LYS}{CYS}{ASN}{THR}{ALA}{THR}{CYS}{ALA}{THR}{GLN}{ARG}{LEU}{ALA}{ASN}{PHE}{LEU}{VAL}{HIS}{SER}{SER}{ASN}{ASN}{PHE}{GLY}{ALA}{ILE}{LEU}{SER}{SER}{THR}{ASN}{VAL}{GLY}{SER}{ASN}{THR}{TYR}-NH ₂
Sequence Shortening	KCNTATCATQRLANFLVHSSNFGAILSSTNVGSNTY-NH ₂
Molecular Formula	C ₁₆₅ H ₂₆₁ N ₅₁ O ₅₅ S ₂
C Terminal	NH ₂
Disulfide Bridge	Cys2-Cys7
Molecular Weight	3903.28

Properties

Purity	> 95%
Solubility	Can be dissolved in DMSO or DMF first and then dilute with water
Form	Lyophilized
Storage	Store at -20°C. Keep container tightly closed. Store in a cool dry place.