

Amylin (20-29) (human)

Cat. No.:	HY-P4873
CAS No.:	118068-30-7
Molecular Formula:	C ₄₃ H ₆₈ N ₁₂ O ₁₆
Molecular Weight:	1009.07
Sequence:	Ser-Asn-Asn-Phe-Gly-Ala-Ile-Leu-Ser-Ser
Sequence Shortening:	SNNFGAILSS
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Amylin (20-29) (human) is the fragment of human islet amyloid polypeptide (hIAPP) or Amylin. Amylin is a 37-residue hormone. Amylin (20-29) (human) is responsible for the amyloidogenic propensities of the full length protein. Amylin (20-29) (human) can be transformed into its corresponding peptoid and retropeptoid sequences, to obtain beta-sheet breaker peptides as amyloid inhibitors^{[1][2]}.

REFERENCES

- [1]. Kapurniotu A, et al. Structure-based design and study of non-amyloidogenic, double N-methylated IAPP amyloid core sequences as inhibitors of IAPP amyloid formation and cytotoxicity. *J Mol Biol.* 2002 Jan 18;315(3):339-50.
- [2]. Elgersma RC, et al. Transformation of the amyloidogenic peptide amylin(20-29) into its corresponding peptoid and retropeptoid: access to both an amyloid inhibitor and template for self-assembled supramolecular tapes. *Bioorg Med Chem Lett.* 2007 Apr 1;17(7):1837-42.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA