

---

**Product Data Sheet**

---

Product Name: Amylin  
Cat. No.: GC16513

**Chemical Properties**

Cas. No. 122384-88-7

Formula  $C_{165}H_{261}N_{51}O_{55}S_2$  M.Wt 3903.33

Solubility Soluble to 5 mg/ml in Water Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

**Background**

Amylin, amide, human, a 37-amino acid polypeptide, is a pancreatic hormone cosecreted with insulin that exerts unique roles in metabolism and glucose homeostasis. Amylin, amide, human inhibits glucagon secretion, delays gastric emptying, and acts as a satiety agent[1].

MCF-7 cells endogenously express human amylin receptor CTR1 and CTR2. Stimulation of the receptor with Amylin, amide, human results in the production of cAMP. Amylin, amide, human (0.001 nM-1000 μM) results in an EC50 of 35.2±7.5 nM[1].

Amylin, amide, human (400 μg peptide /kg body weight) is injected by subcutaneous route in separated groups of swiss male mice. A typical PK curve for the free amylin is observed, with a half-time of 23 min[1].

**References:**

[1]. Sisnande T, et al. Monoconjugation of Human Amylin with Methylpolyethyleneglycol. PLoS One. 2015 Oct 8;10(10):e0138803.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA