

Product Data Sheet

Product Name: Pancreatic Polypeptide, rat TFA

Cat. No.: GC81851

Chemical Properties

Cas. No.

Formula $C_{195}H_{298}N_{58}O_{57}S \cdot xC_2HF_3O_2$ M.Wt 4398.87

Solubility Storage Sealed storage, away from moisture

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

Pancreatic Polypeptide, rat TFA (Rat pancreatic polypeptide TFA) is a rat-derived Pancreatic Polypeptide. Pancreatic Polypeptide is a preferential agonist of NPYR4. Pancreatic Polypeptide, rat TFA protects cells against Streptozotocin -induced DNA damage. Pancreatic Polypeptide, rat inhibits glucose-stimulated insulin secretion. Pancreatic Polypeptide, rat (TFA) can be used in diabetes-related research [1] [2].

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

Product Data Sheet

In Vitro, Pancreatic Polypeptide, rat (0.1 μ M-1 μ M) TFA inhibits glucose-stimulated insulin secretion in rat BRIN BD11 β -cells, with no effect at lower concentrations or under basal glucose levels^[2]. Pancreatic Polypeptide, rat (1 μ M; 2 h) TFA completely protects rat BRIN BD11 β -cells against Streptozotocin -induced DNA damage^[2].

References:

- [1]. Kimmel JR, et al. Pancreatic polypeptide from rat pancreas. Endocrinology. 1984 May;114(5):1725-31.
- [2]. Khan D, et al. Influence of neuropeptide Y and pancreatic polypeptide on islet function and beta-cell survival. Biochimica et biophysica acta. General subjects. 2017 Apr;1861(4):749-758.

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