

Product Data Sheet

Product Name: (Pro3) GIP, human TFA

Cat. No.: GC72195

Chemical Properties

Cas. No.

Formula $C_{226}H_{338}N_{60}O_{64}S \cdot xC_2HF_3O_2$ M.Wt 4951.53 (free base)

Solubility DMSO : 100 mg/mL (Need ultrasonic); H_2O : ≥ 100 mg/mL Storage Sealed storage, away from moisture and light

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

YAPGTFISDYSIAMDKIHQQDFVNWLLAQKGKKNWKNITQ (TFA salt)

Background

(Pro3) GIP, human TFA is an efficacious, stable and specific human GIP receptor (hGIPR) full agonist. (Pro3) GIP, human TFA has high binding affinity for human GIPR with K_i / K_d value of 0.90 nM. (Pro3) GIP, human TFA human can be used for the research of obesity-related diabetes.

References:

[1]. Victor A Gault, et al. Chemical ablation of gastric inhibitory polypeptide receptor action by daily (Pro3)GIP administration improves glucose tolerance and ameliorates insulin resistance and

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

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abnormalities of islet structure in obesity-related diabetes. Diabetes. 2005, 54, 8.

[2]. A H Sparre-Ulrich, et al. Species-specific action of (Pro3)GIP - a full agonist at human GIP receptors, but a partial agonist and competitive antagonist at rat and mouse GIP receptors. Br J Pharmacol. 2016, 173, 1.

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