



Product Information

Product ID T342710

CAS No. 2023788-19-2

Chemical Name

Synonym LY3298176; Mounjaro

Formula $C_{225}H_{347}N_{47}O_{69}$

Formula Wt. 4813

Melting Point

Purity $\geq 98\%$

Solubility

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description Tirzepatide is a dual GLP-1/GIP receptor co-agonist. It has been shown to stimulate catabolism of branched-chain amino acids and branched-chain keto acids in thermogenic brown adipose tissue in mice. It has demonstrated superior glycemic control compared with GLP-1R agonism and improved insulin sensitivity.

Tyr-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-Aib-Leu-Asp-Lys-Ile-Ala-Gln-Lys-diacid-gamma-Glu-(AEEA)2-Lys-Ala-Phe-Val-Gln-Trp-Leu-Ile-Ala-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH₂

Bulk quantities available upon request

Product ID	Size
T342710	1 mg
T342710	5 mg
T342710	25 mg

References Sinha R, Papamargaritis D, Sargeant J, et al. Efficacy and safety of tirzepatide in type 2 diabetes and obesity management. J Obes Metab Syndr. 2023 Mar 30;32(1):25-45. PMID: 36750526

Sams R, Zhang G, He W, et al. Tirzepatide induces a thermogenic-like amino acid signature in brown adipose tissue. Mol Metab. 2022 Oct;64:101550. PMID: 35921984

Samms R, Christie M, Collins K, et al. GIPR agonism mediates weight-independent insulin sensitization by tirzepatide in obese mice. J Clin Invest. 2021 Jun 15;131(12):e146353. PMID: 34003802

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.