



碧云天生物技术/Beyotime Biotechnology
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Tirzepatide (替尔泊肽, BioReagent)

产品编号	产品名称	包装
P9089-5mg	Tirzepatide (替尔泊肽, BioReagent)	5mg
P9089-25mg	Tirzepatide (替尔泊肽, BioReagent)	25mg
P9089-100mg	Tirzepatide (替尔泊肽, BioReagent)	100mg

产品简介:

CAS Number	Chemical Formula	Molecular Weight	Purity	Grade
2023788-19-2	C ₂₂₅ H ₃₄₈ N ₄₈ O ₆₈	~4813.2	≥98.0%	BioReagent

➤ 基本信息(General Information):

Name (Chinese)	替尔泊肽
Name (English)	Tirzepatide
Specifications	BioReagent
Chemical Formula	C ₂₂₅ H ₃₄₈ N ₄₈ O ₆₈
Synonym (Chinese)	替西帕肽; 新型双重GIP/GLP-1激动剂
Synonym (English)	Mounjaro (Tirzepatide); LY-3298176; LY3298176
Sequence (Three-Letter Code)	Tyr-{Aib}-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-{Aib}-Leu-Asp-Lys-Ile-Ala-Gln-{diacid-C20-gamma-Glu-(AEEA)2-Lys}-Ala-Phe-Val-Gln-Trp-Leu-Ile-Ala-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH ₂
Sequence (One-Letter Code)	Y-{Aib}-EGTFTSDYSI-{Aib}-LDKIAQ-{C20 diacid-gamma-Glu-(AEEA)2-Lys}-AFVQWLIAGGPSSGAPPPS-NH ₂
Source	Synthetic
Reconstitution	Ultrapure water: >10mg/ml or refer to the relevant literatures

➤ 产品描述(Description):

Application	Tirzepatide is a Glucose-dependent Insulinotropic Polypeptide Receptor Agonist and GLP-1 Receptor Agonist. The mechanism of action of tirzepatide is as a G-Protein-linked Receptor Interaction and Glucagon-like Peptide-1 (GLP-1) Agonist.
General description	Tirzepatide and Semaglutide have similar sequences, with the lys side chain in the sequence modified with PEG, which is a functional group of the peptide and can increase the water solubility of the sequence. The main physiological function of tirzepatide is a double agonist of glucose dependent insulin nutritional polypeptide (GIP) and glucagon like peptide-1 (GLP-1) receptor, which is used to treat type 2 diabetes [1-2].

➤ 性质(Properties):

Form	White powder
Solubility	Soluble in water

➤ 安全信息(Safety Information):

Hazard Pictogram Codes	-
Signal Word	-
Hazard Statements	-
Precautionary Statements	-
Personal Protective Equipment	-
Hazard Codes (Europe)	-
Risk Codes (Europe)	-

Safety Codes (Europe)	-
RIDADR	-
WGK Germany	-
RTECS	-
Flash Point (F)	-
Flash Point (C)	-

包装清单：

产品编号	产品名称	包装
P9089-5mg	Tirzepatide (BioReagent)	5mg
P9089-25mg	Tirzepatide (BioReagent)	25mg
P9089-100mg	Tirzepatide (BioReagent)	100mg
—	说明书	1份

保存条件：

-20℃避光保存，一年有效。

注意事项：

- 本产品仅限于专业人员的科学研究用，不得用于临床诊断或治疗，不得用于食品或药品，不得存放于普通住宅内。
- 为了您的安全和健康，请穿实验服并戴一次性手套操作。

参考文献：

1. Dhillon S. Semaglutide: First Global Approval. Drugs. 2018. 78(2):275-284.
2. Marso SP, Bain SC, Consoli A, Eliaschewitz FG, et al. N Engl J Med. 2016. 375(19):1834-1844.

相关产品：

产品编号	产品名称	包装
P9085	Semaglutide (司美格鲁肽, BioReagent)	5/25/100mg
P9087	Semaglutide Intermediate P29 (司美格鲁肽中间体P29)	5/25/100mg
P9089	Tirzepatide (替尔泊肽, BioReagent)	5/25/100mg

Version 2025.05.22