



碧云天生物技术/Beyotime Biotechnology
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Semaglutide (司美格鲁肽, BioReagent)

产品编号	产品名称	包装
P9085-5mg	Semaglutide (司美格鲁肽, BioReagent)	5mg
P9085-25mg	Semaglutide (司美格鲁肽, BioReagent)	25mg
P9085-100mg	Semaglutide (司美格鲁肽, BioReagent)	100mg

产品简介:

CAS Number	Chemical Formula	Molecular Weight	Purity	Grade
910463-68-2	$C_{187}H_{291}N_{45}O_{59}$	~4113.6	≥98.0%	BioReagent

➤ 基本信息(General Information):

Name (Chinese)	司美格鲁肽
Name (English)	Semaglutide
Specifications	BioReagent
Chemical Formula	$C_{187}H_{291}N_{45}O_{59}$
Synonym (Chinese)	索马鲁肽; 索玛鲁肽; 司马鲁肽
Synonym (English)	Sermaglutide; Ozempic; Rybelsus; Wegovy; GLP-1R Agonist; NN 9535; NN-9535
Sequence (Three-Letter Code)	His-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys(AEEA-AEEA-Glu-17-carboxyheptadecanoyl)-Glu-Phe-Ile-Ala-Trp-Leu-Val-Arg-Gly-Arg-Gly-OH ^Y
Sequence (One-Letter Code)	H-{Aib}-EGTFTSDVSSYLEGQAA-{C18 diacid-γ-Glu-(AEEA)2-Lys}-EFIAWLVRGRG
Source	Synthetic
Reconstitution	Ultrapure water: >10mg/ml or refer to the relevant literatures

➤ 产品描述(Description):

Application	Semaglutide is a polypeptide that contains a linear sequence of 31 amino acids joined together by peptide linkages. It is an agonist of glucagon-like peptide-1 receptors (GLP-1 AR) and used for the treatment of type 2 diabetes. It has a role as a hypoglycemic agent, a glucagon-like peptide-1 receptor agonist, an anti-obesity agent, a neuroprotective agent and an appetite depressant. It is a polypeptide and a lipopeptide.
General Description	Semaglutide has two amino acid substitutions compared to human GLP-1 (Aib8, Arg34) and is derivatized at lysine 26. The GLP-1R affinity of Semaglutide is 0.38 ± 0.06 nM. Semaglutide is a GLP-1 analogue with 94% sequence homology to human GLP-1 [1-2]. On September 20, 2019, Novo Nordisk announced that the U.S. Food and Drug Administration (FDA) had approved Rybelsus® (semaglutide) tablets 7 mg or 14 mg for adults with type 2 diabetes that along with diet and exercise may improve blood sugar (glucose). Rybelsus® is the first and only glucagon-like peptide-1 (GLP-1) analog in a pill and a new option for adults with type 2 diabetes who are not achieving their A1C goal with current antidiabetic treatment.

➤ 性质(Properties):

Form	White powder
Solubility	Freely soluble in water

➤ 安全信息(Safety Information):

Hazard Pictogram Codes	
Signal Word	Warning
Hazard Statements	H361-H361d

Precautionary Statements	P203-P280-P318-P405-P501
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
P9085-5mg	Semaglutide (BioReagent)	5mg
P9085-25mg	Semaglutide (BioReagent)	25mg
P9085-100mg	Semaglutide (BioReagent)	100mg
—	说明书	1份

保存条件：

-20°C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

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