

替尔泊肽 (Tirzepatide)

■ 来源：固相化学合成 Source: Solid phase chemical synthesis

产品介绍 PRODUCT INTRODUCTION

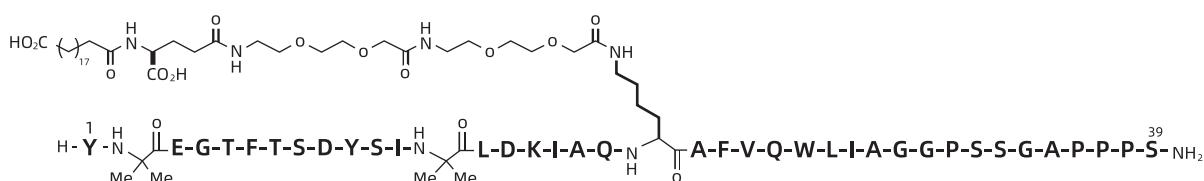
替尔泊肽是一种新型胰高血糖素样肽-1受体 (GLP-1) 和葡萄糖依赖性促胰岛素多肽 (GIP) 双受体激动剂，每周一次给药。

GLP-1和GIP都属于肠促胰素，是由人体胃肠道黏膜分泌的多肽，前者可以与胰岛细胞上的受体结合并刺激胰岛素分泌，进而产生降糖的作用，还可以延缓胃排空和抑制食欲，从而控制体重；而后者具有抑制胃酸、胃蛋白酶分泌、刺激胰岛素释放、抑制胃的蠕动和排空等功能，可补充 GLP-1受体激动剂作用。

Tilpizole is a novel glucagon like peptide-1 receptor (GLP-1) and glucose dependent insulinotropic peptide (GIP) dual receptor agonist, administered once a week.

GLP-1 and GIP both belong to enterotropin, which is a peptide secreted by the human gastrointestinal mucosa. The former can bind to receptors on pancreatic islet cells and stimulate insulin secretion, thereby producing hypoglycemic effects. It can also delay gastric emptying and inhibit appetite, thereby controlling weight; The latter has functions such as inhibiting gastric acid and pepsin secretion, stimulating insulin release, inhibiting gastric peristalsis and emptying, and can supplement the action of GLP-1 receptor agonists.

结构式 (Structural formula) :



本品应用 APPLICATION OF THIS PRODUCT

注射液 (Injection) :



产品特性 PRODUCT FEATURES

项目 Items	标准 Standard	结果 Results
外观 Appearance	白色或几乎白色粉末 White or almost white powder	白色粉末 White powder
分子离子质量 Molecular Ion Mass	4813.45	符合 Conforms
纯度 (HPLC) Purity (HPLC)	≥98.0%	99.57%
相关物质 (HPLC) Related substances (HPLC)	总杂质 Total impurities : ≤2.0% ; 最大单一杂质 Maximum single impurity : ≤1.0%	0.43%; 0.15%
钠离子 (IC) Sodium ion (IC)	≤ 5.0%	1.48%
含水量 (K.F) Water Content (K.F)	≤ 8.0%	4.02%
酸碱度 pH	7.0 ~ 9.0 (C=5mg/ml)	7.51
溶解度 Solubility	报告值Reported value	50mg/ml (H ₂ O)
内毒素 Bacterial Endotoxins	≤ 10 EU/mg	符合 Conforms
微生物限度 Microbial Limits	TAMC≤50 cfu/0.1g ; TYMC≤50 cfu/0.1g	符合 Conforms
存储 Storage	保存在密闭容器中，避光，储存在-20±5°C的温度下。 Keep in tight container, protect from light, store at a temperature of -20±5°C.	

产品优势 PRODUCT ADVANTAGES

生产形式 PRODUCTION FORM	全合成，降低体重明显，具有良好的GLP-1激动活性和GIP受体激动活性 Fully synthetic, significantly reducing body weight, with good GLP-1 agonist activity and GIP receptor agonist activity
产能 CAPACITY	500L反应釜，年产40kg 500L reactor with an annual output of 40kg
技术支持 TECHNICAL SUPPORT	稳定性研究和支持DMF申报 Stability research and support for DMF application

相关产品 RELATED PRODUCTS

替尔泊肽侧链 Telposide side chains	司美格鲁肽 Smeaglutide	利拉鲁肽 Liraglutide
---------------------------------	----------------------	---------------------

南京赛诺生物制药有限公司 Nanjing Cellnuo Biopharmaceutical Co., Ltd.

地址Add : 南京市江北新区华康路142号南京生物医药谷加速器三期A02栋1-2层南侧 服务热线TEL : 025-52701023 18913840228

