

Your Premier Partner for Fatty Acid Side-Chain Products

JenKem Technology Co., Ltd (Stock Code: 688356.SH) is specialized in large scale GMP manufacture of high-quality drug delivery system products, custom synthesis and PEGylation services. The company supplies products for R&D, clinical trials, and commercial applications for pharmaceutical, biotechnology, medical devices, and diagnostics marketplaces worldwide since 2001.

Committed to the principle of "Leading the Biomedical Innovation with Material Innovation," JenKem Technology shows respect for and readiness to aid in your innovative endeavors. As of July 2024, JenKem Technology's products are used in 9 commercial drugs, 11 commercial medical devices, and more than 70 innovative drug and medical device projects in pre-clinical and clinical stages worldwide.

JenKem Technology has the capabilities to supply high quality fatty acid side-chain products in both non-GMP and GMP grade, from small scale to large scale. With product purity of 98% or higher and large-scale manufacturing capability for batch sizes of 10 kg to 100 kg, we have a quality control system in place to ensure our customers receive high product quality and batch-to-batch consistency from early-stage research and development through to commercial-scale manufacturing.



Long-acting Polypeptide Fatty Acid Side-Chain

Currently, the most popular long-acting GLP-1 receptor agonists available incorporate fatty acid side-chain modification technology. Glucagon-like Peptide-1 (GLP-1), a peptide hormone secreted by human intestinal tract to stimulate insulin secretion from pancreatic β -cells, plays a central role in coordinating postprandial glucose homeostasis, food intake and intestinal motility. GLP-1 receptor agonists have been used extensively in the treatment of type II diabetes and obesity.

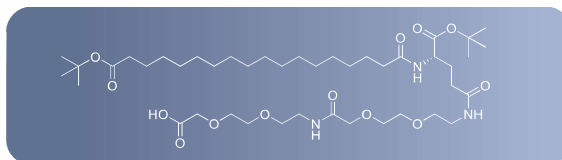


Fig 1 C18 Fatty Acid Side Chain

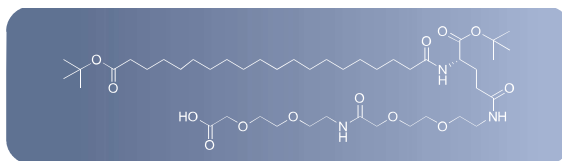


Fig 2 C20 Fatty Acid Side Chain

Services Provided by JenKem Technology

- Fatty Acid Side-Chain Catalog Manufacture
- Fatty Acid Side-Chain Custom Synthesis
- Customized Molecular Coupling Services
- Characterization of Modified Polypeptide(s) and Its Catabolites
- Quality Studies Related to Clinical Study

Long-acting Polypeptide Fatty Acid Side-Chain

Product Name	Purity	CAS No.	Structure
tBuO-Ste-Glu (AEEA-AEEA-OH)-OtBu	≥ 98%	1118767-16-0	
Ste-Glu-AEEA-AEEA-OSU	≥ 90%	1169630-40-3	
tBuO-Ste-Glu (AEEA-AEEA-OSU)-OtBu	≥ 95%	1118767-15-9	
Fmoc-Lys(tBuO-Ste-Glu(AEEA-AEEA)-OtBu)-OH	≥ 98%	1662688-20-1	
tBuO-ICO-Glu(AEEA-AEEA-OH)-OtBu	≥ 98%	1188328-37-1	
ICO-Glu-AEEA-AEEA-OSU	≥ 90%	1188328-38-2	
tBuO-ICO-Glu(AEEA-AEEA-OSU)-OtBu	≥ 95%	1118767-17-1	
Fmoc-Lys(tBuO-ICO-Glu(AEEA-AEEA)-OtBu)-OH	≥ 98%	2460751-66-8	

Should the desired structures not be listed in our catalogue, please do not hesitate to make an inquiry. JenKem Technology is prepared to offer custom synthesis for custom side-chain compounds to provide comprehensive support for your R&D initiatives.