

Certificate of Analysis

Product Name	13C,15N Tirzepatide (Tirzepatide internal standard)
Catalog No.	V83078
Batch No.	V8307802

1. Physical and Chemical Properties

Appearance	powder
Molecular Formula	C ₂₁₉ [¹³ C] ₆ H ₃₄₇ N ₄₇ [¹⁵ N] ₁ NaO ₆₈
Molecular Weight	4842.38 (Sodium salt)
Purity	≥98.0%
CAS No.	
Production Date	
Retest Date	2028-10-09

2. Analytical Data

Test Item	Specification	Result
HPLC	≥98%	≥98%
NMR	Consistent with structure	Confirms
Mass Spectrum	Consistent with structure	Confirms

3. Structure

Tyr-Alb-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-Alb-Leu-Asp-Lys-Ile-Ala-Gln-Lys(PEG2-PEG2-γ-Glu-Eicosanedioic acid)-Ala-Phe-Val-Gln-Trp-Leu-Ile-Ala-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH₂

4. Storage Condition

Storage Condition	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Products are for research use only • Not for human or veterinary use