

Certificate of Analysis

Product Name	13C,15N Tirzepatide(Tirzepatide internal standard)
Catalog No.	V83078
Batch No.	V8307801

1. Physical and Chemical Properties

Appearance	powder
Molecular Formula	C ₂₁₉ [¹³ C] ₆ H ₃₄₈ N ₄₇ [¹⁵ N] ₁₀ O ₆₈
Molecular Weight	4820.4008
Purity	≥99.23%
CAS No.	
Production Date	2024-02-05

2. Analytical Data

HPLC	Indicates ≥99.23% purity
NMR.	Consistent with structure
Mass Spectrum	Consistent with structure

3. Structure

<chem>Tyr-Ala-Gly-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-Ala-Leu-Asp-Lys-Ile-Ala-Gln-Lys(PEG2-PEG2-g-Glu-Eicosanedioic acid)-Ala-Phe-Val-Gln-Trp-Leu-Ile-Ala-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Ser-NH2</chem>
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4. Storage Condition

Short term storage (weeks)	0-4 °C under dry condition for six weeks
Long term storage (months)	-20 °C under dry condition for three years

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