

Certificate of Analysis

Product Name	TNF- α (31-45), human
Catalog No.	V32829
Batch No.	V3282901

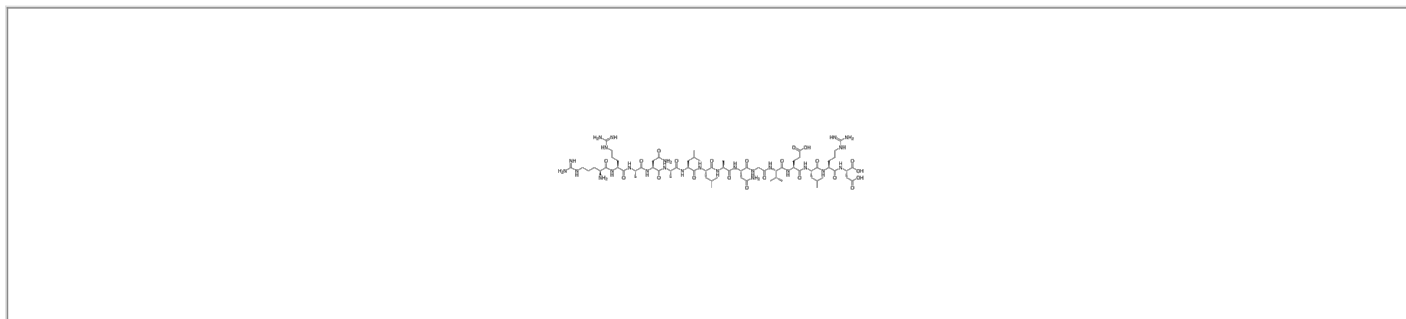
1. Physical and Chemical Properties

Appearance	powder
Molecular Formula	C ₆₉ H ₁₂₂ N ₂₆ O ₂₂
Molecular Weight	1667.86798
Purity	=99.67%
CAS No.	144796-71-4
Production Date	2024-04-25

2. Analytical Data

HPLC	Indicates =99.67% purity
NMR	Consistent with structure
Mass Spectrum	Consistent with structure

3. Structure



4. Storage Condition

Storage Condition	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month
Note: Please store this product in a sealed and protected environment (e.g. under nitrogen), avoid exposure to moisture and light.			

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