

## Tirzepatide (TFA)

Cat. No.:	HY-P1731A
Batch No.:	50444
Chemical Name:	L-Serinamide, L-tyrosyl-2-methylalanyl-L- $\alpha$ -glutamylglycyl-L-threonyl-L-phenylalanyl-L-threonyl-L-seryl-L- $\alpha$ -aspartyl-L-tyrosyl-L-seryl-L-isoleucyl-2-methylalanyl-L-leucyl-L- $\alpha$ -aspartyl-L-lysyl-L-isoleucyl-L-alanyl-L-glutamyl-N6-[(2S)-22,42-dicarboxy-1,10,19,24-tetraoxo-3,6,12,15-tetraoxa-9,18,23-triazadotetracont-1-yl]-L-lysyl-L-alanyl-L-phenylalanyl-L-valyl-L-glutamyl-L-tryptophyl-L-leucyl-L-isoleucyl-L-alanylglycylglycyl-L-prolyl-L-seryl-L-serylglycyl-L-alanyl-L-prolyl-L-prolyl-L-prolyl-(TFA)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C <sub>227</sub> H <sub>349</sub> F <sub>3</sub> N <sub>48</sub> O <sub>70</sub>
Molecular Weight:	4927.47
Storage:	Sealed storage, away from moisture Powder            -80°C        2 years -20°C        1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### Chemical Structure:

\* [SMILES] C[C@@H](NC(=O)C[C@H](O)C(=O)N)C(=O)C[C@H](O)C(=O)N

### ANALYTICAL DATA

Appearance:	White to off-white (Solid)
MS:	Consistent with structure
Purity (HPLC):	98.84%
Conclusion:	The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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