

## WAAG-3R (TFA)

Cat. No.: HY-P5419A  
Batch No.: 402914  
Chemical Name: (4S,10S,13S,16S,22S,25S,28S,31S,34S,37S)-41-Amino-4-((2S,3R)-2-(2-aminobenzamido)-3-hydroxybutanamido)-34-(4-aminobutyl)-28-((S)-sec-butyl)-37-carbamoyl-10-(2-carboxyethyl)-31-(((2,4-dinitrophenyl)amino)methyl)-16-(3-guanidinopropyl)-22-(hydroxymethyl)-25-isopropyl-13-methyl-5,8,11,14,17,20,23,26,29,32,35-undecaaxo-6,9,12,15,18,21,24,27,30,33,36-undecaazahentetracontanoic acid (TFA)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{69}H_{109}N_{23}O_{24} \cdot xC_2HF_3O_2$   
Molecular Weight: **1644.74 (free base)**  
Storage: Sealed storage, away from moisture and light  
Powder                      -80°C        2 years  
                                     -20°C        1 year  
\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

### Chemical Structure:

{Abz}-Thr-Glu-Gly-Glu-Ala-Arg-Gly-Ser-Val-Ile-(Dpa)-Lys-Lys-NH<sub>2</sub> (TFA salt)

### ANALYTICAL DATA

Appearance: Light yellow to yellow (Solid)  
LCMS: Consistent with structure  
Purity (LCMS): 99.94%  
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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