

Certificate of Analysis

Product Information

- Product Name:** AOD9604 (Fragment 176–191 analog)
- CAS Number:** 221231-10-3
- Molecular Formula:** C78H123N23O23S2
- Molecular Weight:** 1815.0 g/mol
- Appearance:** White to off-white lyophilized powder

Batch Information

- Batch / Lot Number:** AOD9604-2025-003
- Quantity:** 100mg
- Date of Manufacture:** 08-Sep-2025
- Retest Date:** 08-Sep-2027
- Storage Conditions:** -20 °C, dry and protected from light

Analytical Results

Test	Specification	Result	Method
Identity (Mass Spectrometry)	Consistent with theoretical mass of 1815.0 Da	1815.2 Da (M+H)+	ESI-MS
Purity (HPLC)	≥ 98.0 % (by area)	99.1 %	RP-HPLC
Sequence Confirmation	As per AOD9604 peptide sequence	Confirmed	MS/MS
Appearance	White to off-white lyophilized powder	White powder	Visual
Solubility	Soluble in sterile water (≥1 mg/mL)	Pass	Visual
Residual Solvent (if applicable)	≤ 0.5 %	<0.2 %	GC
Water Content (Karl Fischer)	≤ 5.0 %	2.7 %	KF titration
Acetate Content	Report only	4.6 %	Ion chromatography
Peptide Content	≥70 %	74 %	Nitrogen analysis
Endotoxin	< 0.25 EU/mg	0.07 EU/mg	LAL test
Microbial Limit Test	<100 CFU/g, no pathogens	Pass	USP <61>/<62>

Compliance Statement

The above batch of **AOD9604** complies with the stated specifications. This batch of **AOD9604** meets all specified analytical and microbiological criteria and is suitable for **research use only**. Manufactured and tested under controlled conditions to ensure consistency, purity, and integrity.