

Certificate of Analysis

Product Name	AOD9604 acetate
Catalog No.	V11415
Batch No.	V1141501

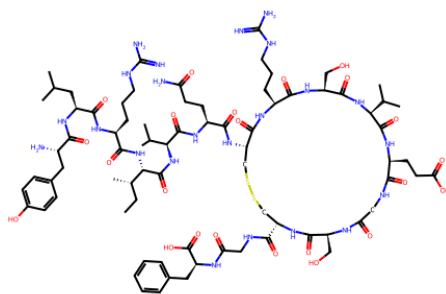
1. Physical and Chemical Properties

Appearance	White to off white powder or loose lump
Molecular Formula	C ₇₈ H ₁₂₃ N ₂₃ O ₂₃ S ₂ ·CH ₃ COOH
Molecular Weight	1875.13 (acetate); 1815.10 (free base)
Purity	≥98.45%
CAS No.	221231-10-3
Production Date	2024/05/10

2. Analytical Data

Test Item	Specification	Result
Solubility	Soluble in 0.5% phosphoric acid in water	Conforms
Solubility in water	Not less than 10.0mg/ml	Conforms
Amino acid analysis	Tyr(0.8-1.2) Phe(0.8-1.2) Leu(0.8-1.2) Arg(0.8-1.2) Ile(0.8-1.2) Val(1.6-2.4) Glu(1.6-2.4) Cys(1.6-2.4) Ser(1.6-2.4) Gly(1.6-2.4)	Tyr(0.9) Arg(0.9) Glu(2.2) Gly(2.1) Phe(0.9) Ile(0.9) Leu(1.0) Val(2.2) Cys(1.8) Ser(1.9)
Identification / MS	1815.08 ± 1.0	1815.45
Clarity and color of solution	Clear and colorless	Conforms
Water	< 10.0%	7.5%
Acetic acid	< 10.0%	6.0%
Trifluoacetate ion	< 0.1%	N.D
Related Substances(HPLC)	Any individual impurity: <1.0% Total impurity: <2.0%	0.58% 1.55%
Purity	≥ 98.0%	98.45%
Residual solvents	Methanol: ≤ 0.3% Isopropanol: ≤ 0.5% Acetonitrile: ≤ 0.041% Methylene chloride: ≤ 0.06% N,N-Dimethylformamide: ≤ 0.088% Triethylamine: ≤ 0.032% Tert-butyl methyl ether: ≤ 0.5%	Methanol: N.D Isopropanol: N.D Acetonitrile: 0.019% Methylene chloride: N.D N,N-Dimethylformamide: N.D Triethylamine: N.D Tert-butyl methyl ether: N.D
Bacterial endotoxin	< 10EU/mg	Conforms
Microbiological Examination	TAMC: NMT 100cfu/g	Less than 10cfu/g
Microbiological Examination	TYMC: NMT 50cfu/g	Less than 10cfu/g
Microbiological Examination	Escherichia coli: Absent	Absent
Peptide Assay	≥ 80.0%	85.14%

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

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

Tel: +1 708 310-1919

InvivoChem LLC
Fax: +1 708 557-7486
<http://www.invivochem.com/>

Email: info@invivochem.com