

Analytical Data Sheet

Lot number **1000023020**
not for drug use

Catalog number **H-5834.0005**

Product number **4035911.0005**

Product **Aprotinin acetate salt**
H- Arg- Pro- Asp- Phe- Cys- Leu- Glu- Pro- Pro- Tyr-
Thr- Gly- Pro- Cys- Lys- Ala- Arg- Ile- Ile- Arg- Tyr- Phe-
Tyr- Asn- Ala- Lys- Ala- Gly- Leu- Cys- Gln- Thr- Phe-
Val- Tyr- Gly- Gly- Cys- Arg- Ala- Lys- Arg- Asn- Asn-
Phe- Lys- Ser- Ala- Glu- Asp- Cys- Met- Arg- Thr- Cys-
Gly- Gly- Ala- OH acetate salt
(Disulfide bonds between Cys⁵ and Cys⁵⁵/Cys¹⁴ and
Cys³⁸/Cys³⁰ and Cys⁵¹)

Molecular formula $C_{284}H_{432}N_{84}O_{79}S_7$

Relative molecular mass 6511.53

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (1 mg/mL in water)
Identification (ESI-MS)	m = 6511.5u (average)
Amino acid analysis	Asx 5.2 Thr 2.8 Val 1.0 Phe 3.8 Ser 0.9 Ala 5.8 Met 0.9 Glx 3.0 Pro 4.0 Lys 4.2 Gly 6.7 Cys 2.8 Ile det. Arg 5.5 Tyr 3.7 Leu 2.0
Purity (HPLC)	99.5%
Assay (elemental analysis)	85.3% (Nth 18.07%, Nfd 15.41%)

Latest update: October 08, 2019

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