

Analytical Data Sheet

Lot number **1052811**
not for drug use

Catalog number H-5826.0100
Product number 4040191.0100
Product **Monocyte Chemotactic Protein- 1 (human) acetate salt**
 Pyr- Pro- Asp- Ala- Ile- Asn- Ala- Pro- Val- Thr- Cys- Cys- Tyr- Asn- Phe- Thr- Asn- Arg- Lys- Ile- Ser- Val- Gln- Arg- Leu- Ala- Ser- Tyr- Arg- Arg- Ile- Thr- Ser- Ser- Lys- Cys- Pro- Lys- Glu- Ala- Val- Ile- Phe- Lys- Thr- Ile- Val- Ala- Lys- Glu- Ile- Cys- Ala- Asp- Pro- Lys- Gln- Lys- Trp- Val- Gln- Asp- Ser- Met- Asp- His- Leu- Asp- Lys- Gln- Thr- Gln- Thr- Pro- Lys- Thr- OH acetate salt
 (Disulfide bonds between Cys¹¹ and Cys³⁶/Cys¹² and Cys⁵²)
Molecular formula C₃₇₉H₆₁₀N₁₀₈O₁₁₄S₅
Relative molecular mass 8664.00

Tests	Results
Appearance	white powder
Amino acid analysis	Asx 7.2 (8) His 0.9 (1) Trp ND (1) Tyr 1.7 (2) Glx 8.0 (8) Thr 7.0 (7) Arg 3.5 (4) Lys 9.0 (9) Cys 1.7 (4) Pro 4.5 (5) Ser 4.5 (5) Ile 4.3 (6) Val 3.6 (5) Ala 5.4 (6) Phe 2.0 (2) Leu 1.9 (2) Met 0.2 (1)
Solubility	at least 1 mg/mL in water
Purity (HPLC)	> 89% (reverse phase HPLC)
Peptide content	82%
General comment	Mass analysis: as expected