

Analytical Data Sheet

Lot number **1069755**
not for drug use

Catalog number H-2700.0005
Product number 4006426.0005
Product β - Endorphin (human) trifluoroacetate salt
H- Tyr- Gly- Gly- Phe- Met- Thr- Ser- Glu- Lys- Ser- Gln-
Thr- Pro- Leu- Val- Thr- Leu- Phe- Lys- Asn- Ala- Ile- Ile-
Lys- Asn- Ala- Tyr- Lys- Lys- Gly- Glu- OH
trifluoroacetate salt
Molecular formula C₁₅₈H₂₅₁N₃₉O₄₆S
Relative molecular mass 3465.03

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (5 mg/ml in AcOH 50 %)
Identification (ESI-MS)	m = 3464.8u (average mass)
Amino acid analysis	Asx 1.89 (2) Thr 2.82 (3) Ser 1.95 (2) Glx 2.81 (3) Pro 1.03 (1) Gly 2.82 (3) Ala 1.88 (2) Val 1.08 (1) Met 0.99 (1) Ile* 0.83 (2) Leu 2.00 (2) Tyr 1.99 (2) Phe 2.03 (2) Lys 4.59 (5) * Ile-Ile incomplete hydrolysis
Purity (HPLC)	96.2% (TEAP) 95.1% (NaClO ₄)
Assay (elemental analysis)	80.3% (Nth 15.76 %, Nfd 12.65 %)

Latest update: January 30, 2017

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