

Analytical Data Sheet

Lot number **1000019024**
not for drug use

Catalog number H-7676.0500
Product number 4033441.0500
Product **Biotinyl- ACTH (1- 39) (human) trifluoroacetate salt**
 Biotinyl- Ser- Tyr- Ser- Met- Glu- His- Phe- Arg- Trp-
 Gly- Lys- Pro- Val- Gly- Lys- Lys- Arg- Arg- Pro- Val-
 Lys- Val- Tyr- Pro- Asn- Gly- Ala- Glu- Asp- Glu- Ser-
 Ala- Glu- Ala- Phe- Pro- Leu- Glu- Phe- OH
 trifluoroacetate salt
Molecular formula C₂₁₇H₃₂₂N₅₈O₆₀S₂
Relative molecular mass 4767.43

Tests	Results
Appearance	white powder
Identification (ESI-MS)	m = 4767.6u
Amino acid analysis	Ala 3.1 (3) His 1.0 (1) Pro 3.8 (4) Arg 3.2 (3) Leu 1.0 (1) Ser 2.2 (3) Asx 2.0 (2) Lys 3.9 (4) Trp 0.0 (*1) Glx 5.3 (5) Met 1.0 (1) Tyr 1.9 (2) Gly 3.1 (3) Phe 3.1 (3) Val 2.6 (3) *1 Trp was completely destroyed during hydrolysis
Solubility	1 mg/ml in H ₂ O
Purity (HPLC)	97.2%
Peptide content	79.9%

Latest update: July 25, 2019

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