

Analytical Data Sheet

Lot number **3016169**
not for drug use

Catalog number H-7916.0500
Product number 4099719.0500
Product **Biotinyl- (Gln¹) - Orexin A (human, mouse, rat) trifluoroacetate salt**
 Biotinyl- Gln- Pro- Leu- Pro- Asp- Cys- Cys- Arg- Gln- Lys- Thr- Cys- Ser- Cys- Arg- Leu- Tyr- Glu- Leu- Leu- His- Gly- Ala- Gly- Asn- His- Ala- Ala- Gly- Ile- Leu- Thr- Leu- NH₂ trifluoroacetate salt
 (Disulfide bonds between Cys⁶ and Cys¹²/Cys⁷ and Cys¹⁴)
Molecular formula C₁₆₂H₂₆₀N₅₀O₄₆S₅
Relative molecular mass 3804.49

Tests	Results
Appearance	white powder
Identification (MALDI-MS)	3803.90
Amino acid analysis	Asx 1.98 (2) Gly 3.00 (3) Tyr 0.93 (1) Thr 2.40 (2) Ala 2.98 (3) His 2.04 (2) Ser 0.94 (1) Cys* 0.27 (4) Lys 1.01 (1) Glx 2.94 (3) Ile 0.77 (1) Arg 1.89 (2) Pro 2.10 (2) Leu 5.55 (6) *Partially destroyed during acid hydrolysis
Solubility	soluble in 1% Acetic acid at 1mg/mL
Purity (HPLC)	95.1%
Assay (AAA)	87.6%

Latest update: September 23, 2016

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