

Analytical Data Sheet

Lot number **1060366**
not for drug use

Catalog number H-7478.0500
Product number 4091432.0500
Product **Biotinyl- (Glu¹) - Orexin A (human, mouse, rat) trifluoroacetate salt**
 Biotinyl- Glu- 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 C₁₆₂H₂₅₉N₄₉O₄₇S₅
Relative molecular mass 3805.47

Tests	Results
Appearance	white powder
Identification (MALDI-MS)	3805.35
Amino acid analysis	Asx 2.09 (2) Gly 3.17 (3) Tyr 0.95 (1) Thr 2.52 (2) Ala 3.20 (3) His 2.16 (2) Ser 1.00 (1) Cys* 0.51 (4) Lys 1.17 (1) Glx 3.04 (3) Ile 0.70 (1) Arg 2.02 (2) Pro 2.12 (2) Leu 5.49 (6) *Partially destroyed during acid hydrolysis
Solubility	soluble in water at 1mg/mL
Purity (HPLC)	>96%
Assay (AAA)	70.2%
Date of manufacture	December 11, 2014

Latest update: August 12, 2015

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