

Analytical Data Sheet

Lot number **3016165**
not for drug use

Catalog number H-7912.0500
Product number 4099717.0500
Product (Cys(Acm)^{6,12}) - Orexin A (human, mouse, rat) trifluoroacetate salt
 Pyr- Pro- Leu- Pro- Asp- Cys(Acm) - Cys- Arg- Gln- Lys- Thr- Cys(Acm) - 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 bond)
Molecular formula C₁₅₈H₂₅₅N₄₉O₄₆S₄
Relative molecular mass 3705.33

Tests	Results
Appearance	white powder
Identification (MALDI-MS)	3705.18
Amino acid analysis	Asx 2.00 (2) Gly 3.00 (3) Tyr 0.91 (1) Thr 2.64 (2) Ala 2.96 (3) His 2.07 (2) Ser 0.98 (1) Cys** 0.49 (4) Lys 1.02 (1) Glx 2.91 (3) Ile 0.57 (1) Arg 1.85 (2) Pro* 2.28 (2) Leu 5.17 (6) *Proline value high due to the incorporation of cysteine **Partially destroyed during acid hydrolysis
Solubility	soluble in 1% Acetic acid at 1mg/mL
Purity (HPLC)	96.6%
Assay (AAA)	79.1%

Latest update: September 23, 2016

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