

Analytical Data Sheet

Lot number **3016167**
not for drug use

Catalog number H-7914.0500
Product number 4099718.0500
Product **Orexin A (1- 15) (free acid) trifluoroacetate salt**
Pyr- Pro- Leu- Pro- Asp- Cys- Cys- Arg- Gln- Lys- Thr-
Cys- Ser- Cys- Arg- OH trifluoroacetate salt
(Disulfide bonds between Cys⁶ and Cys¹²/Cys⁷ and
Cys¹⁴)
Molecular formula C₆₇H₁₀₉N₂₃O₂₂S₄
Relative molecular mass 1717.01

| Tests | Results |
|----------------------------------|--|
| Appearance | white powder |
| Identification (MALDI-MS) | 1717.60 |
| Amino acid analysis | Asx 1.06 (1) Cys* 0.73 (4) Thr 1.37 (1) Leu 1.00 (1) Ser 0.90 (1) Lys 1.12 (1) Glx 1.95 (2) Arg 1.86 (2) Pro 2.04 (2) *Partially destroyed during acid hydrolysis |
| Solubility | soluble in 1% Acetic acid at 1mg/mL |
| Purity (HPLC) | 98.8% |
| Assay (AAA) | 72.4% |

Latest update: September 23, 2016

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