

Analytical Data Sheet

Lot number **1069120**
not for drug use

Catalog number H-4174.5000
Product number 4028263.5000
Product **Orexin B (human) trifluoroacetate salt**
 H- Arg- Ser- Gly- Pro- Pro- Gly- Leu- Gln- Gly- Arg- Leu-
 Gln- Arg- Leu- Leu- Gln- Ala- Ser- Gly- Asn- His- Ala-
 Ala- Gly- Ile- Leu- Thr- Met- NH₂ trifluoroacetate salt
Molecular formula C₁₂₃H₂₁₂N₄₄O₃₅S
Relative molecular mass 2899.38

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (1 mg/mL in water)
Identification (ESI-MS)	m = 2899.4u (average mass)
Amino acid analysis	Asx 1.0 (1) Arg 3.3 (3) Ile 0.9 (1) Ser* 1.6 (2) Thr 1.0 (1) Leu 4.9 (5) Glx 3.0 (3) Ala 3.1 (3) Gly 5.2 (5) Pro 2.0 (2) His 1.1 (1) Met 0.9 (1) * Ser partially destroyed during hydrolysis Ile-Leu incomplete hydrolysis
Purity (HPLC)	96.3% (TFA) 96.4% (TEAP)
Assay (elemental analysis)	78.6% (Nth 21.26%, Nfd 16.70%)

Latest update: December 20, 2016

Analytical Data Sheet
Lot number **1069120**