

Analytical Data Sheet

Lot number

1013155

not for drug use

Catalog Number

H-4176.0500

Product number

4028264.0500

Product

Orexin B (mouse, rat)

H- Arg- Pro- Gly- Pro- Pro- Gly- Leu- Gln- Gly- Arg-
Leu- Gln- Arg- Leu- Leu- Gln- Ala- Asn- Gly- Asn-
His- Ala- Ala- Gly- Ile- Leu- Thr- Met- NH₂

Molecular formula

C₁₂₆H₂₁₅N₄₅O₃₄S

Relative molecular mass

2936.44

Tests	Results
Appearance	White powder
Identification (ESI-MS)	m = 2936.0u (average mass)
Amino acid analysis	Asx 1.97 (2) Gly 4.72 (5) Leu 4.78 (5) Pro 3.23 (3) Ile 0.82 (1) Met 1.17 (1) Arg 3.04 (3) His 0.98 (1) Glx 3.15 (3) Thr 0.97 (1) Ala 3.00 (3)
Solubility	Soluble in water
Purity (HPLC)	90.5% TFA 93.9% TEAP
Assay (elemental analysis)	75.8% (Nth 21.46 %, Nfd 16.261 %)
General comment	Product supplied as a trifluoroacetate salt Product is very sensitive to oxidation
Latest update: October 24, 2008	Analytical Data Sheet Lot number 1013155