

# Analytical Data Sheet

Lot number

**1011487**

not for drug use

Catalog Number

H-4174.0500

Product number

4028263.0500

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- NH<sub>2</sub>  
trifluoroacetate salt

Molecular formula

C<sub>123</sub>H<sub>212</sub>N<sub>44</sub>O<sub>35</sub>S

Relative molecular mass

2899.38

Tests	Results
<b>Appearance</b>	White powder
<b>Appearance of solution</b>	clear, colorless solution (1 mg/ml in water)
<b>Identification (ESI-MS)</b>	m = 2899.2u (average mass)
<b>Amino acid analysis</b>	Asx 1.01 (1)   Ile 0.90 (1)   Met 1.01 (1) Glx 3.01 (3)   Ser 1.90 (2)   Leu 5.00 (5) His 1.08 (1)   Gly 4.89 (5) Thr 1.03 (1)   Arg 3.16 (3) Pro 1.93 (2)   Ala 3.01 (3)
<b>Purity (HPLC)</b>	98.1% TFA 99.2% TEAP
<b>Assay (elemental analysis)</b>	78.0% (Nth 21.26 %, Nfd 16.58 %)
<b>General comment</b>	Product supplied as a trifluoroacetate salt
Latest update: October 24, 2008	<b>Analytical Data Sheet</b> Lot number <b>1011487</b>