

## Analytical Data Sheet

Lot number **1000032207**  
not for drug use

**Catalog number** H-4174.1000  
**Product number** 4028263.1000  
**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 = 2899.4u (average mass)
<b>Amino acid analysis</b>	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
<b>Purity (HPLC)</b>	96.3% (TFA) 96.4% (TEAP)
<b>Assay (elemental analysis)</b>	78.6% (Nth 21.26%, Nfd 16.70%)

Latest update: May 06, 2020

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