

# Analytical Data Sheet

Lot number

## 1047218

not for drug use

Catalog Number

H-6354.1000

Product number

4050841.1000

Product

**Acetyl- PACAP- 38 (human, mouse, ovine, porcine, rat) trifluoroacetate salt**

Ac- His- Ser- Asp- Gly- Ile- Phe- Thr- Asp- Ser- Tyr- Ser- Arg- Tyr- Arg- Lys- Gln- Met- Ala- Val- Lys- Lys- Tyr- Leu- Ala- Ala- Val- Leu- Gly- Lys- Arg- Tyr- Lys- Gln- Arg- Val- Lys- Asn- Lys- NH<sub>2</sub> trifluoroacetate salt

Molecular formula

C<sub>205</sub>H<sub>333</sub>N<sub>63</sub>O<sub>54</sub>S

Relative molecular mass

4576.36

Tests	Results
<b>Appearance</b>	white powder
<b>Identification (MALDI-MS)</b>	m= 4576.2u
<b>Amino acid analysis</b>	<p>Asx 3.1 (3) Thr 1.0 (1) Ser* 2.5 (3)            Glx 2.0 (2) Gly 2.1 (2) Ala 3.1 (3)            Val 2.9 (3) Met* 0.8 (1) Ile 0.9 (1)            Leu 1.9 (2) Tyr 3.8 (4) Phe 0.9 (1)            His 1.0 (1) Lys 7.1 (7) Arg 4.2 (4)</p> <p>* partially destroyed during acid hydrolysis</p>
<b>Solubility</b>	soluble in water
<b>Purity (HPLC)</b>	> 96%
<b>Assay (AAA)</b>	84.4%
Latest update: March 11, 2013	<p style="text-align: right;"><b>Analytical Data Sheet</b> Lot number <b>1047218</b></p>