

# Analytical Data Sheet

Lot number

## 0539811

not for drug use

|                                |   |
|--------------------------------|---|
| <b>Catalog Number</b>          | <b>H-3280.0025</b>  |
| <b>Product number</b>          | <b>4020211.0025</b>   |
| <b>Product</b>                 | <b>Neuromedin B</b><br>H- Gly- Asn- Leu- Trp- Ala- Thr- Gly- His- Phe- Met- NH <sub>2</sub> |
| <b>Molecular formula</b>       | C <sub>52</sub> H <sub>73</sub> N <sub>15</sub> O <sub>12</sub> S                           |
| <b>Relative molecular mass</b> | 1132.31   |

| Tests                             | Results  |
|-----------------------------------|--|
| <b>Appearance</b>                 | white powder   |
| <b>Appearance of solution</b>     | clear, colorless solution (10 mg/ml in water)  |
| <b>Identification (ESI-MS)</b>    | m = 1131.5u (average mass)   |
| <b>Amino acid analysis</b>        | Asx 1.06 (1) Gly 2.00 (2)<br>His 1.05 (1) Thr 1.02 (1)<br>Ala 1.03 (1) Met 0.96 (1)<br>Leu 1.00 (1) Phe 1.03 (1)<br>Trp det. (1) |
| <b>Purity (HPLC)</b>              | 97.4% (TFA)<br>98.7% (TEAP)<br>98.1% (NaClO <sub>4</sub> )   |
| <b>Assay (elemental analysis)</b> | 77.2% (Nth 18.55 %, Nfd 14.32 %)   |
| <b>General comment</b>            | product supplied as a trifluoroacetate salt<br>unstable in solution  |
| Latest update: October 25, 2008   | <b>Analytical Data Sheet</b><br>Lot number <b>0539811</b>  |