

## Analytical Data Sheet

Lot number **1074113**  
not for drug use

**Catalog number** H-4420.0005  
**Product number** 4006024.0005  
**Product**  $\beta$ - Neoendorphin  
H- Tyr- Gly- Gly- Phe- Leu- Arg- Lys- Tyr- Pro- OH  
**Molecular formula** C<sub>54</sub>H<sub>77</sub>N<sub>13</sub>O<sub>12</sub>  
**Relative molecular mass** 1100.29

Tests	Results
<b>Appearance</b>	white powder with lumps
<b>Appearance of solution</b>	clear, colorless solution (1 mg/ml in water)
<b>Identification (ESI-MS)</b>	m = 1100.3u
<b>Amino acid analysis</b>	Pro 1.06 (1) Lys 1.01 (1) Gly 1.99 (2) Arg 0.90 (1) Leu 1.00 (1) Tyr 2.02 (2) Phe 1.03 (1)
<b>Purity (HPLC)</b>	98.5% (TFA) 98.3% (TEAP) 98.5% (NaClO <sub>4</sub> )
<b>Assay (elemental analysis)</b>	79.9% (Nth 14.92 %, Nfd 11.92 %)
<b>General comment</b>	product supplied as a trifluoroacetate salt

Latest update: November 08, 2017

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