

## Analytical Data Sheet

Lot number **1068422**  
not for drug use

**Catalog number** H-4644.0001  
**Product number** 4025363.0001  
**Product** (D- Ser<sup>4</sup>, D- Trp<sup>6</sup>) - LHRH trifluoroacetate salt  
 Pyr- His- Trp- D- Ser- Tyr- D- Trp- Leu- Arg- Pro- Gly-  
 NH<sub>2</sub> trifluoroacetate salt  
**Molecular formula** C<sub>64</sub>H<sub>82</sub>N<sub>18</sub>O<sub>13</sub>  
**Relative molecular mass** 1311.47

Tests	Results
<b>Appearance</b>	off-white powder
<b>Appearance of solution</b>	clear, colorless solution (1 mg/mL in water)
<b>Identification (ESI-MS)</b>	m = 1311.4u (average mass)
<b>Amino acid analysis</b>	Ser 0.9(1) Pro 1.0(1) Glx° 1.0(1) Tyr 1.0(1) Gly 1.0(1) Leu 1.0(1) His 1.0(1) Trp det. (2) Arg 1.1(1)  °Pyr detected as Glx
<b>Purity (HPLC)</b>	97.3%
<b>Assay (elemental analysis)</b>	80.7% (Nth 19.22%, Nfd 15.52%)
<b>Water content (KF volumetric)</b>	2.6%
<b>Trifluoroacetic acid content (HPLC)</b>	15.9%
<b>Mass balance</b>	99.2%

Latest update: October 25, 2016

**Analytical Data Sheet**  
Lot number **1068422**