

## Analytical Data Sheet

Lot number **1068309**  
not for drug use

Catalog number **H-2905.0001**  
Product number **4008254.0001**  
Product **(D- Pen<sup>2</sup>, D- Pen<sup>5</sup>) - Enkephalin trifluoroacetate salt**  
H- Tyr- D- Pen- Gly- Phe- D- Pen- OH trifluoroacetate  
salt  
(Disulfide bond)  
Molecular formula **C<sub>30</sub>H<sub>39</sub>N<sub>5</sub>O<sub>7</sub>S<sub>2</sub>**  
Relative molecular mass **645.80**

Tests	Results
Appearance	white lyophilisate
Appearance of solution	clear, colorless solution (1 mg/mL in water)
Identification (ESI-MS)	m = 645.7u (average mass)
Purity (HPLC)	99.5% (TFA) 99.1% (TEAP) 99.2% (NaClO <sub>4</sub> )
Assay (elemental analysis)	82.9% (Nth 10.84%, Nfd 8.98%)

Latest update: October 17, 2016

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