

Analytical Data Sheet

Lot number

1069226

not for drug use

Catalog number

H-2770.0025

Product number

4003956.0025

Product

(D- Ser²) - Leu- Enkephalin- Thr
H- Tyr- D- Ser- Gly- Phe- Leu- Thr- OH

Molecular formula

C₃₃H₄₆N₆O₁₀

Relative molecular mass

686.76

Tests	Results
Appearance	slightly yellow powder
Identification (elemental analysis)	Theory Found C = 54.32 % C = 54.02 % H = 6.90 % H = 6.94 % N = 10.86 % N = 10.50 %
Purity (HPLC)	97.8% (NaClO ₄)
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Water content (KF volumetric)	3.1%
Peptide content	86%

Latest update: December 23, 2016

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