

Analytical Data Sheet

Lot number **1000008623**
not for drug use

Catalog number **L-1380.0050**
Product number **4011623.0050**
Product **H- D- Leu- Thr- Arg- pNA acetate salt**
Molecular formula $C_{22}H_{36}N_8O_6$
Relative molecular mass 508.58

Tests	Results
Appearance	yellowish powder
Appearance of solution	clear, slightly yellow solution (50 mg/mL in water)
Identification (ESI-MS)	m = 508.6u (average mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.0% (TFA) 99.4% (TEAP)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% pNA
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	76.2% (Nth 22.03%, Nfd 16.80%)
Water content (KF volumetric)	1.3%
General comment	hygroscopic product

Latest update: November 14, 2018

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