

Analytical Data Sheet

Lot number **1072762**
not for drug use

Catalog number **H-4280.0250**
Product number **4000280.0250**
Product **H- Lys- Tyr- Lys- OH acetate salt**
Molecular formula $C_{21}H_{35}N_5O_5$
Relative molecular mass 437.54

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in H ₂ O)
Identification (ESI-MS)	m = 437.3u (average mass)
Identification (TLC)	conforms with authentic material
Purity (HPLC)	98.9% (ionpair)
Purity (TLC)	> 98%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	74.2% (Nth 16.01 %, Nfd 11.88 %)
Water content (KF coulometric)	1.3%

Latest update: July 25, 2017

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