

Analytical Data Sheet

Lot number **1000012632**
not for drug use

Catalog number **H-5300.0250**
Product number **4001260.0250**
Product **H- Val- Tyr- Val- OH**
Molecular formula **C₁₉H₂₉N₃O₅**
Relative molecular mass **379.46**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (20 mg/mL in 80% acetic acid)
Identification (ESI-MS)	m= 379.5u (average mass)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = + 20.4^\circ$ (2% in 0.1N hydrochloride acid)
Purity (HPLC)	99.2% (TFA)
Purity (TLC)	> 99%
TLC conditions	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, TMB
Assay (elemental analysis)	93.4% (Nth 11.07%, Nfd 10.34%)

Latest update: February 21, 2019

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