

Analytical Data Sheet

Lot number

1018407

not for drug use

Catalog Number	H-5300.1000
Product number	4001260.1000
Product	H- Val- Tyr- Val- OH
Molecular formula	C ₁₉ H ₂₉ N ₃ O ₅
Relative molecular mass	379.46

Tests	Results
Appearance	light yellow powder
Appearance of solution	clear, light yellow solution (20 mg/ml in AcOH)
Identification (TLC)	complies with authentic material reference lot: 0501550
Specific optical rotation	$[\alpha]_D^{24} = 18.5^\circ$ (2% HCl 0.1N)
Purity (TLC)	> 99%
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/toluene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	88.7% (Nth 11.07, Nfd 9.8212)
Water content (KF volumetric)	1.7%
General comment	the product is supplied as an acetic acid salt
Latest update: October 24, 2008	