

Analytical Data Sheet

Lot number

1041567

not for drug use

Catalog Number	H-4800.0250
Product number	4005913.0250
Product	H- Pro- Pro- Pro- Pro- OH
Molecular formula	C ₂₀ H ₃₀ N ₄ O ₅
Relative molecular mass	406.48

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (ESI-MS)	m = 406.5u (average mass)
Identification (TLC)	complies with authentic material
Melting point	151 °C
Specific optical rotation	$[\alpha]_D^{24} = -255.0^\circ$ (1% in water)
Purity (HPLC)	99.8% (TFA)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	84.8% (Nth 13.78%, Nfd 11.68%)
Water content (KF volumetric)	2.2%
Residual organic solvents (GC)	isopropanol 13.5%
Latest update: March 13, 2012	Analytical Data Sheet Lot number 1041567