

Analytical Data Sheet

Lot number

1074380

not for drug use

Catalog number	G-3455.0001
Product number	4001110.0001
Product	H- Tyr- Phe- OH
Molecular formula	C ₁₈ H ₂₀ N ₂ O ₄
Relative molecular mass	328.37

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 80% acetic acid)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +20.6^\circ$ (0.3% in 1M hydrochloride acid)
Purity (TLC)	> 98%
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 6/5/1/3 chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	93.6% (Nth 8.53%, Nfd 7.98%)
Water content (KF volumetric)	5.9%

Latest update: November 16, 2017

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