

Analytical Data Sheet

Lot number

1050852

not for drug use

Catalog Number	F-1980.0250
Product number	4031150.0250
Product	H- DL- Phe- OH
Molecular formula	C₉H₁₁NO₂
Relative molecular mass	165.19

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, colorless solution (50 mg/ml in 1N HCl)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -0.3^\circ$ (5% in 1N HCl)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-Tyr-OH
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Other amino acids (GC)	< 0.1%
Assay (elemental analysis)	99.5% (Nth 8.48%, Nfd 8.44%)
Water content (KF volumetric)	< 0.1%
Latest update: November 18, 2013	