

## Analytical Data Sheet

Lot number **1072835**  
not for drug use

Catalog number **F-2165.0005**  
Product number **4026808.0005**  
Product **H- D- Tyr- OH**  
Molecular formula  $C_9H_{11}NO_3$   
Relative molecular mass 181.19

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 1N HCl)
Identification (elemental analysis)	Theory Found C = 59.7% C = 59.5% H = 6.1% H = 6.2% N = 7.7% N = 7.7%
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +10.61^\circ$ (5 % 1N HCl)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/60/12/36 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	0.1% L-Enantiomer
Other amino acids (GC)	< 0.1% H-D-Phe-OH < 0.2% any other
Assay (elemental analysis)	99.8% (Nth 59.66%, Nfd 59.52%)
Water content (KF coulometric)	< 0.1%

Latest update: August 02, 2017

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