

Analytical Data Sheet

Lot number **1063200**
not for drug use

Catalog number **G-4580.0001**
Product number **4028468.0001**
Product **H- Gly- D- Tyr- OH**
Molecular formula $C_{11}H_{14}N_2O_4$
Relative molecular mass 238.24

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH 50 %, warmed)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 48.81 %</td><td>C = 48.83 %</td></tr><tr><td>H = 6.55 %</td><td>H = 6.26 %</td></tr><tr><td>N = 10.35 %</td><td>N = 10.35 %</td></tr></tbody></table> calc. as 1.8 H ₂ O (12.0 %)	Theory	Found	C = 48.81 %	C = 48.83 %	H = 6.55 %	H = 6.26 %	N = 10.35 %	N = 10.35 %
Theory	Found								
C = 48.81 %	C = 48.83 %								
H = 6.55 %	H = 6.26 %								
N = 10.35 %	N = 10.35 %								
Identification (TLC)	conforms with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -41.7^\circ$ (1 % in water)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Enantiomer content (GC)	0.98% L-Enantiomer								
Assay (elemental analysis)	88.0% (Nth 11.76 %, Nfd 10.35 %)								
Water content (KF coulometric)	11.8%								

Latest update: December 21, 2015

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