

Analytical Data Sheet

Lot number **1075646**
not for drug use

Catalog number **E-2515.0250**
Product number **4031323.0250**
Product **H- Tyr- OH**
Molecular formula **C₉H₁₁NO₃**
Relative molecular mass **181.19**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in 1 N HCl)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 59.7%</td> <td>C = 59.5%</td> </tr> <tr> <td>H = 6.1%</td> <td>H = 6.2%</td> </tr> <tr> <td>N = 7.7%</td> <td>N = 7.7%</td> </tr> </tbody> </table>	Theory	Found	C = 59.7%	C = 59.5%	H = 6.1%	H = 6.2%	N = 7.7%	N = 7.7%
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	$[\alpha]_D^{24} = -10.9^\circ$ (5 % in 1 N HCl)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 n-butanol/acetic acid/H ₂ O 4/2/3 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Enantiomer content (GC)	< 0.1% D-Enantiomer								
Other amino acids (GC)	< 0.1% H-Phe-OH < 0.2% any other amino acid								
Assay (elemental analysis)	99.7% (Cth 59.66 %, Cfd 59.51 %)								

Latest update: February 14, 2018

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