

Analytical Data Sheet

Lot number

1039595

not for drug use

Catalog Number	E-2515.1000
Product number	4031323.1000
Product	H- Tyr- OH
Molecular formula	C₉H₁₁NO₃
Relative molecular mass	181.19

Tests	Results								
Appearance	off-white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in 1N HCl)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 59.7 %</td> <td>C = 59.3 %</td> </tr> <tr> <td>H = 6.1 %</td> <td>H = 6.1 %</td> </tr> <tr> <td>N = 7.7 %</td> <td>N = 7.7 %</td> </tr> </table>	Theory	Found	C = 59.7 %	C = 59.3 %	H = 6.1 %	H = 6.1 %	N = 7.7 %	N = 7.7 %
Theory	Found								
C = 59.7 %	C = 59.3 %								
H = 6.1 %	H = 6.1 %								
N = 7.7 %	N = 7.7 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -10.8^\circ$ (5 % in 1N HCl)								
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, chlorine-tolidine, TMB								
Enantiomer content (GC)	0.1% D-Enantiomer								
Other amino acids (GC)	< 0.1% H-Phe-OH < 0.3% any other								
Assay (elemental analysis)	98.8% (Cth 59.66%, Cfd 58.95%)								
Latest update: November 10, 2011									