

Analytical Data Sheet

Lot number

1032120

not for drug use

Catalog Number	E-2750.0025
Product number	4014119.0025
Product	H- Tyr- OMe
Molecular formula	C ₁₀ H ₁₃ NO ₃
Relative molecular mass	195.22

Tests	Results								
Appearance	off-white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 61.5%</td> <td>C = 61.2%</td> </tr> <tr> <td>H = 6.7%</td> <td>H = 6.8%</td> </tr> <tr> <td>N = 7.2%</td> <td>N = 7.1%</td> </tr> </table>	Theory	Found	C = 61.5%	C = 61.2%	H = 6.7%	H = 6.8%	N = 7.2%	N = 7.1%
Theory	Found								
C = 61.5%	C = 61.2%								
H = 6.7%	H = 6.8%								
N = 7.2%	N = 7.1%								
Identification (TLC)	complies with authentic material								
Melting point	137 °C								
Specific optical rotation	$[\alpha]_D^{24} = +26.9^\circ$ (2.4% in methanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.4% (Nth 7.18%, Nfd 7.14%)								
Water content (KF volumetric)	0.1%								

Latest update: August 10, 2010

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