

Analytical Data Sheet

Lot number

1030148

not for drug use

Catalog Number	E-1080.0025
Product number	4005009.0025
Product	Ac- Ile- OH
Molecular formula	C₈H₁₅NO₃
Relative molecular mass	173.21

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 54.7 %</td> <td>C = 54.7 %</td> </tr> <tr> <td>H = 8.8 %</td> <td>H = 9.0 %</td> </tr> <tr> <td>N = 8.0 %</td> <td>N = 8.0 %</td> </tr> </table>	Theory	Found	C = 54.7 %	C = 54.7 %	H = 8.8 %	H = 9.0 %	N = 8.0 %	N = 8.0 %
Theory	Found								
C = 54.7 %	C = 54.7 %								
H = 8.8 %	H = 9.0 %								
N = 8.0 %	N = 8.0 %								
Identification (TLC)	complies with authentic material								
Melting point	151 °C								
Specific optical rotation	[α] _D ²⁴ = + 10.1° (1 % in DMF)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 plate: silicagel 60 F ₂₅₄ detected: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	1.2%								
Latest update: April 08, 2010	Analytical Data Sheet Lot number 1030148								