

Analytical Data Sheet

Lot number **1000019479**
not for drug use

Catalog number **E-1080.0005**
Product number **4005009.0005**
Product **Ac- Ile- OH**
Molecular formula $C_8H_{15}NO_3$
Relative molecular mass 173.21

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)
Identification (elemental analysis)	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	$[\alpha]_D^{24} = +10.1^\circ$ (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: July 26, 2019

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