

Analytical Data Sheet

Lot number

1018217

not for drug use

Catalog Number	F-1045.0001
Product number	4001881.0001
Product	Ac- D- Leu- OH
Molecular formula	C ₈ H ₁₅ NO ₃
Relative molecular mass	173.21

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (TLC)	complies with authentic material
Melting point	181 °C
Specific optical rotation	$[\alpha]_D^{24} = + 22.4^\circ$ (1 % in EtOH abs.)
Purity (TLC)	> 98%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.6% (Cth 55.47 %, Cfd 55.29 %)
Latest update: October 24, 2008	

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