

Analytical Data Sheet

Lot number **1074556**
not for drug use

Catalog number **B-2035.0005**
Product number **4017630.0005**
Product **Fmoc- N- Me- Leu- OH**
Molecular formula $C_{22}H_{25}NO_4$
Relative molecular mass 367.45

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane)
Identification (ESI-MS)	$m = 367.2u$ (monoisotopic mass)
Identification (TLC)	Rf value in agreement with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -16.8^\circ$ (1% in dioxane)
Purity (HPLC)	99.83%(TFA)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (titration)	99.8%(TBAH)
Water content (KF volumetric)	0.1%

Latest update: December 08, 2017

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