

Analytical Data Sheet

Lot number **1056155**
not for drug use

Catalog number **B-2035.0001**
Product number **4017630.0001**
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 (elemental analysis)	Theory Found C = 71.9 % C = 71.8 % H = 6.9 % H = 7.0 % N = 3.8 % N = 3.8 %
Identification (TLC)	Complies with authentic material
Melting point	114 - 116 °C
Specific optical rotation	$[\alpha]_D^{24} = -16.2^\circ$ (1 % in dioxane)
Purity (HPLC)	99.7% (TFA)
Purity (TLC)	> 99%
TLC conditions	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.9% (Cth 71.91 %, Cfd 71.82 %)