

Analytical Data Sheet

Lot number **1056832**
not for drug use

Catalog number **B-4255.0001**
Product number **4042449.0001**
Product **Fmoc- Tyr(Me) - OH**
Molecular formula $C_{25}H_{23}NO_5$
Relative molecular mass 417.46

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane)
Identification (ESI-MS)	m = 417.5u (average mass)
Purity (HPLC)	99.7% (TFA)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/toluene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (titration)	99.3% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	0.002%