

Analytical Data Sheet

Lot number

1051692

not for drug use

Catalog Number	B-1365.0005
Product number	4004745.0005
Product	Fmoc- D- Met- OH
Molecular formula	$C_{20}H_{21}NO_4S$
Relative molecular mass	371.46

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol) clear solution (0.5 mmol/mL in DMF)
Identification (ESI-MS)	m = 371.5u (average mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.5% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc-D-Met-D-Met-OH 0.1% Fmoc-β-Ala-OH < 0.1% Fmoc-β-Ala-D-Met-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-D-Met-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (chiral chromatography)	0.1% L-enantiomer
Assay (titration)	99.8% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	0.006%

Latest update: January 10, 2014

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