

Analytical Data Sheet

Lot number **1071159**
not for drug use

Catalog number **B-2045.0025**
Product number **4017007.0025**
Product **Fmoc- Asn(Mtt) - OH**
Molecular formula $C_{39}H_{34}N_2O_5$
Relative molecular mass 610.71

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane) clear, colorless solution (0.5mmol/mL in DMF)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -14.0^\circ$ (1% in methanol)
Purity (HPLC)	99.3% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc- β -Ala-OH < 0.1% Fmoc- β -Ala-Asn(Mtt)-OH not det. Fmoc-Asn(Mtt)-Asn(Mtt)-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-Asn(Mtt)-OH
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 90/10/0.5/1 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (titration)	96.7% (TBAH)
Acetic acid content (IC)	0.018%

Latest update: April 07, 2017

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