

## Analytical Data Sheet

Lot number **1063307**  
not for drug use

Catalog number **B-2055.0005**  
Product number **4017853.0005**  
Product **Fmoc- D- 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 (0.5 mmol/mL in DMF)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +14.3^\circ$ (1% in methanol)
Purity (HPLC)	99.3% (TFA)
Related impurities (HPLC)	0.1% Fmoc- $\beta$ -Ala-OH < 0.1% Fmoc- $\beta$ -Ala-D-Asn(Mtt)-OH < 0.1% Fmoc-D-Asn(Mtt)-D-Asn(Mtt)-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-D-Asn(Mtt)-OH
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/acetic acid/H <sub>2</sub> O 85/13/0.5/1.5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (chiral chromatography)	< 0.4% L-enantiomer
Assay (titration)	94.0% (TBAH)
Acetic acid content (IC)	0.010%

Latest update: December 30, 2015

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