

Analytical Data Sheet

Lot number **1052434**
not for drug use

Catalog number **B-2010.0025**
Product number **4017373.0025**
Product **Fmoc- D- Asn(Trt) - OH**
Molecular formula $C_{38}H_{32}N_2O_5$
Relative molecular mass 596.68

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 (ESI-MS)	m = 596.7u
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.3% (TFA)
Related impurities (HPLC)	not det. Fmoc-β-Ala-OH 0.1% Fmoc-D-Asn(Trt)-D-Asn(Trt)-OH < 0.1% Fmoc-β-Ala-D-Asn(Trt)-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-D-Asn(Trt)-OH
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 85/10/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.1% L-Enantiomer
Assay (titration)	97.7% (TBAH)
Water content (KF volumetric)	0.3%
Acetic acid content (IC)	0.005%