

Analytical Data Sheet

Lot number	1000038448 not for drug use
Catalog number	B-2045.0005
Product	Fmoc-Asn(Mtt)-OH
Product number	4017007.0005
Molecular formula (net)	C ₃₉ H ₃₄ N ₂ O ₅
Molecular mass (average)	610.7

Tests	Results
Components	
Appearance	
Appearance	complies [white to off-white powder]
Appearance of solution	
Appearance of solution	complies [clear, colorless solution in dioxane (50 mg/mL)]
Appearance of solution	complies [essentially clear solution in DMF (0.5 mmol/mL)]
Identification (MS)	
Monoisotopic mass	610.2 u
Identification (TLC)	
R _f value	complies [complies]
Specific optical rotation	
[α] _D ²⁴ (as is)	-14.0 (°)·mL/(dm·g)
Purity and related impurities (HPLC)	
Purity	99.6%
Fmoc-β-Ala-OH	< 0.03% (LOQ)
Fmoc-β-Ala-Asn(Mtt)-OH	< 0.03% (LOQ)
Fmoc-Asn(Mtt)-Asn(Mtt)-OH	< 0.03% (LOQ)
Fmoc-Asn-OH	0.11%
Any unspecified impurity	≤ 0.12%
Purity and related impurities (TLC)	
Purity	> 99%
H-Asn(Mtt)-OH	< 0.03%

Lot number	1000038448
Catalog number	B-2045.0005
Product	Fmoc-Asn(Mtt)-OH

Tests	Results
Components	
Enantiomer content (chiral chromatography)	
D-enantiomer	0.02%
Assay (titration)	
Assay (titration, net)	97.2%
Acetic acid content (IC)	
Acetic acid content	180 mg/kg

This Analytical Data Sheet is based on reviewed analytical data and is valid without handwritten signatures.

Date created: September 15, 2020