

Analytical Data Sheet

Lot number **1000027385**
not for drug use

Catalog number **B-2100.0005**
Product number **4017664.0005**
Product **Fmoc- 2- Nal- OH**
Molecular formula $C_{28}H_{23}NO_4$
Relative molecular mass 437.50

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)	conforms with authentic material
Melting point	166.3 °C
Purity (HPLC)	99.9% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc-β-Ala-OH < 0.1% Fmoc-β-Ala-2-Nal-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-2-Nal-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	0.15% D-enantiomer
Assay (titration)	99.1% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	0.005%

Latest update: January 17, 2020

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