

## Analytical Data Sheet

Lot number **1075302**  
not for drug use

Retest date July 2020  
Catalog number **B-3210.0005**  
Product number **4028285.0005**  
Product **Fmoc- p- fluoro- D- Phe- OH**  
Molecular formula  $C_{24}H_{20}FNO_4$   
Relative molecular mass 405.43

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (0.5 mmol/mL in DMF)
Melting point	186 °C
Purity (HPLC)	99.8% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc-β-Ala-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-p-fluoro-D-Phe-OH
TLC conditions	chloroform/methanol/acetic acid 85/10/5 chloroform/methanol/acetic acid/H <sub>2</sub> O 90/10/0.5/1 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.1% L-enantiomer
Assay (titration)	99.2% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	0.005%

Latest update: January 24, 2018

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