

Analytical Data Sheet

Lot number	1000038118 not for drug use
Product	Boc-p-fluoro-D-Phe-OH
Product number	4014373.0001
Molecular formula	C ₁₄ H ₁₈ FNO ₄
Relative molecular mass	283.30

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Kaiser test	equivalent to reference
Melting point	86 ° C
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 methylenechloride/methanol 7/3 chloroform/methanol/acetic acid (98-100%)/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.6% (Nth 4.94%, Nfd 4.92%)
Water content (KF volumetric)	0.4%

Latest update: September 07, 2020

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