

Analytical Data Sheet

Lot number

1048798

not for drug use

Catalog Number	B-2115.0005
Product number	4018280.0005
Product	Fmoc- 4- chloro- Phe- OH
Molecular formula	$C_{24}H_{20}ClNO_4$
Relative molecular mass	421.88

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)	complies with authentic material
Purity (HPLC)	100.0% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc- β -Ala-OH not det. Fmoc- β -Ala-4-chloro-Phe-OH < 0.1% Fmoc-4-chloro-Phe-4-chloro-Phe-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-4-chloro-Phe-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% D-enantiomer
Assay (titration)	98.0% (TBAH)
Water content (KF volumetric)	0.9%
Acetic acid content (IC)	0.002%
Latest update: June 27, 2013	