

Analytical Data Sheet

Lot number

1041215

not for drug use

Catalog Number	B-3345.0005
Product number	4028831.0005
Product	Fmoc- Arg(Me)₂- OH (symmetrical) hydrochloride salt
Molecular formula	C₂₃H₂₈N₄O₄
Relative molecular mass	424.50

Tests	Results
Appearance	white product
Appearance of solution	clear, colorless solution (50 mg/mL in water) clear, pale yellow solution (0.5 mmol/mL in DMF)
Identification (TLC)	Rf value in agreement with authentic material
Purity (HPLC)	99.4% TFA
Related impurities (HPLC)	< 0.1% Fmoc-β-Ala-OH
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (chiral chromatography)	0.6% D-enantiomer
Assay (elemental analysis)	86.3% (Nth 13.20% Nfd 11.40%)
Water content (KF volumetric)	2.4%
Chloride content (titration)	6.8%
Latest update: February 24, 2012	

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