

Analytical Data Sheet

Lot number

1039741

not for drug use

Catalog Number	B-1435.0025
Product number	4004138.0025
Product	Fmoc- Arg(Tos) - OH
Molecular formula	$C_{28}H_{30}N_4O_6S$
Relative molecular mass	550.64

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Melting point	133 °C
Purity (HPLC)	99.3% (TFA)
Related impurities (HPLC)	not det. Fmoc-β-Ala-OH < 0.1% Fmoc-Arg-OH
Purity (TLC)	> 98%
Related impurities (TLC)	< 0.2% H-Arg(Tos)-OH
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, IRH
Enantiomer content (GC)	< 0.1% D-enantiomer
Assay (titration)	94.3% (TBAH)
Water content (KF volumetric)	0.1%
Acetic acid content (IC)	0.0062%
Latest update: November 18, 2011	