

Analytical Data Sheet

Lot number

1005556

not for drug use

Catalog Number	B-3130.0005
Product number	4026267.0005
Product	Fmoc- Homoarg(Pmc) - OH
Molecular formula	$C_{36}H_{44}N_4O_7S$
Relative molecular mass	676.83

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)
Identification (TLC)	conforms with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -6.5^\circ$ (1 % DMF)
Purity (HPLC)	99.2% (TFA)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-Homoarg(Pmc)-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 chloroform/methanol/acetic acid 85/10/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	89.1% (TBAH)
Water content (KF volumetric)	0.9%
Latest update: October 24, 2008	