

CERTIFICATE OF ANALYSIS

Product Name: Fmoc-Arg(Pbf)-OH
CAS No.: 154445-77-9
Lot No.: GLS-ZJ-240710(Z)
Molecular Formula: $C_{34}H_{40}N_4O_7S$
Molecular Weight: 648.77
Manufacturing Date: July 10, 2004.
Store at: Keep cool and dry at $<-18^{\circ}C$

Tests	Specifications	Results
Appearance	White to off white powder	White powder
Purity(HPLC)	$\geq 98\%$	98.8%
Specific Rotation $[a]_D^{20}$	$-5.5^{\circ} \pm 1.5^{\circ}$ (C=1 in DMF)	-4.0 (C=1 in DMF)
Optical Purity	$< 0.5\%$ D-enantiomer	Complies
TLC	One spot	Complies
Solubility	12.5 mmole in 25 ml DMF clearly soluble	Clear solutions

Quality control (seal):