

SPECIFICATION

Tests	Specifications
Appearance	white powder
Purity(UPLC) (%)	≥99.0
Impurity(%)	Fmoc-β-Ala-OH≤0.1
	Fmoc-β-Ala-Arg(Pbf)-OH≤0.15
	Fmoc-Arg-OH≤0.2
	Fmoc-Arg(Pbf)-Arg(Pbf)-OH≤0.15
	each single unspecified≤0.2
Optical Purity(%)	≤0.15 D-enantiomer
Specific Rotation $[\alpha]_D^{20}$	-5.0°±2.0°(C=1, DMF)
Clarity of solution	5 mmol in 10ml DMF clear solution
Water Content(K.F.) (%)	≤1.0
Residual Solvent (GC):	
Ethyl Acetate	< 5000 ppm
Assay (Titration) (%)	90.0~105.0
Identification (MS)	In accordance with the standard
Identification (NMR)	In accordance with the standard

Note: All of the above specifications are based on CSBio in-house MOA.

CSBio reserves the right to revise the above information without any written consent to any users on any intent use of this information.