

SPECIFICATION

Tests	Specifications
Appearance	White powder
Purity(UPLC) (%)	≥99.0
Impurity (%)	Fmoc-β-Ala-OH≤0.1
	Fmoc-Lys-OH≤0.1
	Fmoc-β-Ala-Lys(Boc)-OH≤0.1
	Fmoc-Lys(Boc)-Lys(Boc)-OH≤0.1
	each single unspecified≤0.2
Optical Purity (%)	≥0.1 D-enantiomer
Specific Rotation $[\alpha]_D^{20}$	-12.0°±2.5°(C=1, DMF)
Clarity of solution	5 mmol in 10ml DMF clear solution
Water Content(K.F.) (%)	≤1.0
Ethyl Acetate	
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.