

SPECIFICATION

Tests	Specifications
Appearance	White powder
Purity (UPLC) (%)	≥99.0
Impurity(%)	Fmoc-β-Ala-OH≤0.15
	Fmoc-Gln-OH≤0.15
	Fmoc-β-Ala-Gln(Trt)-OH≤0.15
	Fmoc-Gln(Trt)-Gln(Trt)-OH≤0.15
	each single unspecified≤0.2
Optical Purity(%)	≤0.15% D-enantiomer
Specific Rotation $[\alpha]_D^{20}$	-14.5°±2.0°(C=1 in DMF)
Water Content(K.F.) (%)	≤1.0
Residual Solvent (GC):	
Ethyl Acetate	< 25500 ppm
Assay(Titration) (%)	90.0-105.0
Clarity of solution	5 mmol in 10ml DMF clear solution
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.