SPECIFICATION

Tests	Specifications
Appearance	White powder
Purity(UPLC) (%)	≥99.0
Impurity (%)	Fmoc-β-Ala-OH≤0.1
	Fmoc-β-Ala-Pro-OH≤0.1
	Fmoc-Pro-Pro-OH≤0.1
	each single unspecified≤0.2
Optical Purity (%)	≤0.1 D-enantiomer
Specific Rotation$[a]_D^{20}$	-32.0°±2.0°(C=1, DMF)
Clarity of solution	5 mmol in 10ml DMF clear solution
Water Content(K.F.) (%)	≤6.0
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.