

# SPECIFICATION

Tests	Specifications
Appearance	white powder
Purity(UPLC) (%)	≥99.0
Impurity(%)	Fmoc-β-Ala-OH≤0.1
	Fmoc-Tyr-OH≤0.1
	Fmoc-β-Ala-Tyr(tBu)-OH≤0.1
	Fmoc-Tyr(tBu)-Tyr(tBu)-OH≤0.1
	each single unspecified≤0.2
Optical Purity(%)	≤0.1D-enantiomer
Specific Rotation[α] <sub>D</sub> <sup>20</sup>	-28.5°±2.5°(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.

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