



SPECIFICATION

Tests	Specifications
Appearance	White powder
Clarity of solution	5 mmol in 10ml DMF clear solution
Identification (MS) (mu)	Monoisotopic mass 337.4 ± 0.5
Identification (UPLC)	Coelutes with reference standard when the sample and standard solutions are coinjected (1:1, v/v)
Purity(UPLC) (%)	≥ 99.0
Impurities (UPLC) (%)	Fmoc- β -Ala-OH ≤ 0.3
	Fmoc- β -Ala-Pro-OH ≤ 0.3
	Fmoc-Pro-Pro-OH ≤ 0.3
	each single unspecified ≤ 0.5
Impurity (TLC) (%)	H-Pro-OH ≤ 0.2
Specific Rotation $[\alpha]_D^{20}$	$-32.0^\circ \pm 3.0^\circ$ (C = 1 in DMF)
Chiral Impurity (HPLC) (%)	≤ 0.2
Water Content (K.F.) (%)	≤ 6.0
Assay (Titration) (%)	90.0-105.0
Ethyl Acetate (%)	≤ 1.0
Acetate (IC) (%)	≤ 0.2
Identification (MS)	In accordance with the standard
Identification (NMR)	In accordance with the standard

Note: CS Bio reserves the right to revise the above information without any written consent to any users on any intent use of this information.