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Certificate of Analysis

Product Name:	Fmoc-Leu-OH	Lot No:	221101-35501
CAS No:	35661-60-0	Store at:	≤25°C
Molecular Formula:	C ₂₁ H ₂₃ NO ₄	Molecular Weight:	353.41
Manufacturing Date:	01/11/22		

Tests	Specifications	Result
Appearance	White powder	Complies
Purity (HPLC)	≥99%	99.87%
Purity (TLC)	≥98%	>98%
Optical Purity	≤0.3% D-enantiomer	Not Detectable
Melting Point	148-163°C	155.5-156.4°C
Specific Rotation [α] ²⁰ _D	-25°±2°(C=1 in DMF)	-25.5°(C=1 in DMF)
Clarity of solution	0.3 gram in 2mL DMF clear solution	Complies
Water Content(K.F.)	≤1.0%	0.04%
Loss on drying	≤1.0%(60°C, 2h)	0.13%
IR Spectrum	In accordance with the structure	Complies
Mass Spectrum	In accordance with the structure	Complies
NMR Spectrum	In accordance with the structure	Complies

Signed:

Date: 04 April 2023

(Quality Assurance)

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<http://altabioscience.com/terms-and-conditions>