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Certificate of Analysis

Product Name: Fmoc-Met-OH Lot No: 220827-35601
CAS No: 71989-28-1 Store at: ≤25°C
Molecular Formula: C₂₀H₂₁NO₄S Molecular Weight: 371.45
Manufacturing Date: 27/8/22

Tests	Specifications	Result
Appearance	White powder	Complies
Purity (HPLC)	≥99%	99.68%
Purity (TLC)	≥98%	>98%
Optical Purity	≤0.3% D-enantiomer	0.04%
Melting Point	115-140°C	120.6-122.9°C
Specific Rotation [α] ²⁰ _D	-28°±2°(C=1 in DMF)	-27.1°(C=1 in DMF)
Clarity of solution	0.3 gram in 2mL DMF clear solution	Complies
Water Content(K.F.)	≤1.0%	0.15%
Loss on drying	≤2.0%(60°C, 2h)	0.28%
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>