



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-327838A
Lot Number: SAMPLE
Product Name: Fmoc-O-methyl-L-tyrosine
CAS Number: 77128-72-4
Molecular Formula: $C_{25}H_{23}NO_5$
Molecular Weight: 417.45

Test	Specification	Result
Appearance	White to off-white powder	Complies
Identification (NMR)	Conforms to structure	Complies
Identification (Infrared Spectrum)	Conforms to structure	Complies
Identification (Mass Spectrometry)	Conforms to structure	Complies
Purity (HPLC)	$\geq 98\%$	99.75%
Melting Point	155-165° C	160.0-160.3° C
Solubility	0.3 g in 2 ml DMF clear solution	Complies
Optical Rotation ($\alpha_{20/D}$)	$+8^{\circ} \pm 2^{\circ}$ (C=1 in EtOAc)	$+6.4^{\circ}$
Loss on Drying	$\leq 1.0\%$	0.53%
Water Content (KF)	$\leq 1.0\%$	0.042%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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