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Certificate of Analysis

Catalogue Number	05714
Lot Number	001529-503202
Product	Fmoc-L-glutamic acid γ -2-phenylisopropyl ester Fmoc-L-Glu(2-phenylisopropoxy)-OH Fmoc-L-glutamic acid 5-(2-phenylisopropyl) ester
CAS Number	200616-39-3
Molecular Formula	C ₂₉ H ₂₉ NO ₆
Molecular Weight	487.56

Appearance	White powder
Solubility	Clear colorless solution (1% in Methanol)
Melting Point	48 °C
Water Content (Karl Fisher)	0.9%
Optical Rotation	[α] _D ²⁵ = -5.3° (C=1 in MeOH)
Other Enantiomer	< 0.1%
Purity by HPLC	98.2%
Purity by TLC	Chloroform/Methanol/Acetic acid (90:8:2): > 99% Acetonitrile/Chloroform/Acetic acid (8:1:1): > 99%
Application	The 2-PhiPr group can be removed selectively in the presence of tBu-based protecting groups by treatment with 1% TFA in DCM, making this derivative an extremely useful tool for the preparation of cyclic peptides by Fmoc SPPS.
Storage	Store at ≤ -4 °C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager