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Product Specifications

Catalogue Number	49633
Product	Fmoc-glycine Fmoc-Gly-OH
CAS Number	29022-11-5
Molecular Formula	C ₁₇ H ₁₅ NO ₄
Molecular Weight	297.3

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	165 - 185 °C
Elemental Analysis (Theory)	≤ 5% (C, H and N)
Water Content (Karl Fisher)	≤ 1%
Kaiser Test	≤ 0.05%
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1% (60 °C, 2 h)
Residual Solvents	Ethyl acetate : ≤ 0.5%
Related Substances	Fmoc-β-Ala-OH : ≤ 0.1% Fmoc-β-Ala-Gly-OH : ≤ 0.1% Fmoc-Gly-Gly-OH : ≤ 0.1% Fmoc-OH : ≤ 0.1% HOSU : ≤ 0.1%
¹H NMR	Conforms to structure
Assay by titration	≥ 98% (NaOH)
Purity by HPLC	≥ 98%
Purity by TLC	≥ 98%
Storage	Store at 0 - 8 °C

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For Laboratory Use Only