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Product Specifications

Catalogue Number	05728
Product	Fmoc-L-leucine 4-nitrophenyl ester Fmoc-L-Leu-ONp (S)-Fmoc-2-amino-4-methyl-pentanoic acid 4-nitrophenyl ester
CAS Number	71989-25-8
Molecular Formula	C ₂₇ H ₂₆ N ₂ O ₆
Molecular Weight	474.51

Appearance	Off-white powder
Solubility	Clear, slightly yellow solution (50 mg/ml in acetone)
Melting Point	114-120 °C
Elemental Analysis (Found)	C = 68.34 ± 0.5%; H = 5.52 ± 0.5%; N = 5.90 ± 0.5%
TLC System	CHCl ₃ Diethylether/Hexane (1:2) Benzene/Dioxane/Acetic acid (95:25:4) Plate: Silica gel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = -48 ± 2° (C=1% in dimethylformamide and 1% acetic acid)
Purity by TLC	≥ 99%
Storage	Store at 0-8°C

For Laboratory Use Only

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