



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalog Number	04-1416
Product Name	Fmoc-Val-OSu Fmoc-L-valine N-hydroxysuccinimide ester
Lot Number	042507-1
CAS Registry Number	130878-68-1
Molecular Formula	C ₂₄ H ₂₄ N ₂ O ₆
Molecular Weight	436.50
Appearance	White powder
Melting Point	135 - 137 °C
Specific Optical Rotation	$\alpha_{D}^{20} = -30.5^{\circ}$ (c=1.0 % in DMF)
Purity (HPLC)	99%
Storage	Store at -0°C

HPLC Conditions

Column	Beckman Ultrasphere 5 μ m, 250x4.6 mm, 150 Å
Guard Column	Supel Guard LC-18-DB, 2 cm
Retention Time, min	10.1
Sample preparation	2 mg/1 mL 100% Acetonitrile/Water
Injection volume, μ l	5
Method /Detection at, nm	Gradient 40-90% A(2) A = 99.9% Water, 0.1% TFA B = 95% Acetonitrile, 4.9% Water, 0.1% TFA 30 min, flow rate = 1.0 ml / min

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