



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalog Number	04-2681
Product Name	Z-Val-OSu Z-L-valine N-hydroxysuccinimide ester
Lot Number	061906-1
CAS Registry Number	3496-11-5
Molecular Formula	C ₁₇ H ₂₀ N ₂ O ₆
Molecular Weight	348.40
Appearance	Crystalline
Melting Point	109-111 °C
Specific Optical Rotation	$\alpha_D^{20} = -25.60^\circ$ (c=1.0, Dioxane)
Purity (HPLC)	99%
Storage	Store at 0-5°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	10.60
Sample preparation	2 mg/1 ml 100% Acetonitrile/Water
Injection volume, μ l	5
Method /Detection at, nm	Gradient
	30-80% B
	A = 99.9% Water, 0.1% TFA
	B = 95% Acetonitrile, 4.9% Water, 0.1% TFA
	30 min, flow rate = 1.0 ml / min

Boc / 210