



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalog Number	04-2208
Product Name	H-Nva-OtBu•HCl
Lot Number	06779-012006-1
Molecular Formula	C ₉ H ₁₉ NO ₂ •HCl
Molecular Weight	209.64
Appearance	White powder
Melting Point	145-147 °C
Specific Optical Rotation	$\alpha_D^{20} = +19.19^\circ$ (c=1.0, MeOH)
Purity (HPLC)	98 %
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	16.11
Sample preparation	2 mg/1 ml 100% Acetonitrile/Water
Injection volume, μ l	5
Method /Detection at, nm	Gradient
	10-60% 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 0-50/ 210