



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-301969
Lot Number: SAMPLE
Product Name: (+)-Vinylboronic acid pinanediol ester
CAS Number: 132488-71-2
Molecular Formula: $C_{12}H_{19}BO_2$
Molecular Weight: 206.09

Test	Specification	Result
Appearance	Colorless to yellow liquid	Light yellow liquid
Identification (1H-NMR)	Consistent with structure	Complies
Identification (13C-NMR)	Consistent with structure	Complies
Identification (11B-NMR)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (GC)	$\geq 94.0\%$	94.5%
Optical Rotation	$+30.0 \pm 4^\circ$ (C=1%, CHCl ₃)	$+30^\circ$ (C=1%, CHCl ₃)
Refractive Index		1.4789

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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