



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-477214A
Lot Number: SAMPLE
Product Name: 1,5-Bis-Boc-1,5,9-triazanonane
CAS Number: 122248-82-2
Molecular Formula: $C_{16}H_{33}N_3O_4$
Molecular Weight: 331.45

Test	Result
Appearance	Colorless oil
Identification (1H -NMR)	Consistent with structure
Identification (^{13}C -NMR)	Consistent with structure
Identification (Mass Spectrometry)	$[M+H]^+ = 332$
Purity (TLC)	> 97%
TLC	System 1: BuOH/H ₂ O/AcOH: (4/1/1) Impurities < 3% System 2: CHCl ₃ /MeOH/AcOH: (120/10/5) Impurities < 3%

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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