



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-361192
Lot Number: SAMPLE
Product Name: GR 144053 trihydrochloride
CAS Number: 1215333-48-4
Molecular Formula: $C_{18}H_{27}N_5O_2 \cdot 3HCl$
Molecular Weight: 454.83

Test	Specification	Result
Appearance		Tan solid
Identification (1H -NMR)		Consistent with structure
Identification (^{13}C -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (HPLC)		> 99.5%
TLC		$R_f = 0.1$
Melting Point		212 °C (dec.)
Carbon Content	44.87%	44.63%
Hydrogen Content	6.9%	7.28%
Nitrogen Content	14.53%	14.32%

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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