



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-497291
Lot Number: SAMPLE
Product Name: N-(2-Hydroxyethyl)piperazine-d4 Dihydrochloride
CAS Number: 1160357-16-3 (free base)
Molecular Formula: $C_6H_{12}D_4Cl_2N_2O$
Molecular Weight: 207.13
Native Source: Synthetic

Test	Specification	Result
Appearance		Off-white solid
Identification (1H -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		99.1 %
Purity (TLC)		98 %
Atmosphere		Inert gas
Melting Point		188.0 - 191.0 °C
Solubility		DMSO (Sparingly), Methanol (Sparingly), Water
Carbon Content	34.79 %	34.64 %
Chloride		32.8 %
Hydrogen Content	7.83 %	7.58 %
Nitrogen Content	13.52 %	13.24 %

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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