



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-396680
Lot Number: SAMPLE
Product Name: Chlorpromazine-d6 Hydrochloride
CAS Number: 1228182-46-4
Molecular Formula: $C_{17}D_6H_{13}ClN_2S \cdot HCl$
Molecular Weight: 361.36
Native Source: Synthetic

Test	Specification	Result
Appearance		Off-white solid
Identification (1H -NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Isotopic Purity		99.6%
Purity (TLC)		98%
Atmosphere		Air
Melting Point		187 - 189 °C
Solubility		Dichloromethane, Methanol and Water
Carbon Content	56.50% (Calculated)	54.00%
Chloride		9.1%
Hydrogen Content	5.60% (Calculated)	5.29%
Nitrogen Content	7.75% (Calculated)	7.32%

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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