



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-490935
Lot Number: SAMPLE
Product Name: Harmol Hydrochloride Dihydrate
CAS Number: 149022-16-2
Molecular Formula: $C_{12}H_{10}N_2O \cdot HCl \cdot 2H_2O$
Molecular Weight: 270.71

Test	Specification	Result
Appearance		Off-white to pale beige solid
Identification (1H -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (TLC)		98%
Atmosphere		Air
Melting Point		> 177 °C (dec.)
Solubility		DMSO, Methanol
Carbon Content	53.24%	52.46%
Chloride		12.7%
Hydrogen Content	5.58%	5.39%
Nitrogen Content	10.35%	10.09%
Water Content (KF)		13.5%

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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