



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-473939
Lot Number: SAMPLE
Product Name: Vinblastine-d3 Sulfate
CAS Number: 1246818-72-3
Molecular Formula: $C_{46}H_{55}D_3N_4O_9 \cdot xH_2SO_4$
Molecular Weight: 912.07
Native Source: Synthetic

Test	Specification	Result
Appearance		Off-white to pale beige solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		99.3%
Purity (TLC)		95%
Atmosphere		inert gas
Melting Point		> 193 °C (dec.)
Solubility		Methanol (slightly)
Specific Rotation		-27.3° (c = 0.1, Methanol)
Carbon Content	60.58%	56.46% (for x = 1)
Diethyl Ether		1.0%
Hydrogen Content	6.63%	6.58% (for x = 1)
Nitrogen Content	6.14%	5.58% (for x = 1)
Sulfate		10.03% by Ion Chromatography

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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