



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-288089
Lot Number: SAMPLE
Product Name: 2-deoxy-D-[UL-13C5]ribose
CAS Number: 266998-43-0
Molecular Formula: $(^{13}\text{C})_5\text{H}_{10}\text{O}_4$
Molecular Weight: 139.09

Test	Specification	Result
Appearance		White solid
Identification (1H-NMR)		Consistent with structure
Identification (13C-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		98.5%
Purity (TLC)		98%
Atmosphere		Air
Melting Point		74 - 84 °C
Solubility		Water (Slightly)
Carbon Content	43.18%	41.24%
Hydrogen Content	7.25%	7.20%

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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