



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-478035
Lot Number: SAMPLE
Product Name: Neomycin Deuterated
CAS Number: 1173840-30-6
Molecular Formula: $C_{23}H_{46}N_6O_{13} \cdot 3H_2SO_4$
Molecular Weight: 908.88
Native Source: Synthetic

Test	Result
Appearance	Pale beige solid
Identification (1H-NMR)	Complies
Identification (Mass Spectrometry)	Complies
Purity (TLC)	95 %
Elemental Analysis	%C: 28.99 %H: 5.90 %N: 8.43
Melting Point	> 172 °C (dec.)
Solubility	Aqueous Acid (Very slightly), Water (Slightly)
Specific Rotation	+55.8° (c=0.2, water)
Sulfur Content	29.86 % (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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