



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-503562
Lot Number: SAMPLE
Product Name: (-)-Biotin Sulfoxide
CAS Number: 3376-83-8
Molecular Formula: $C_{10}H_{16}N_2O_4S$
Molecular Weight: 260.31

Test	Result
Identification (1H-NMR)	Complies
Identification (Mass Spectrometry)	Complies
Purity	98%
Elemental Analysis	(Found) %C: 46.30, %H: 6.06, %N: 10.58; (Calculated) %C: 46.14, %H: 6.20, %N: 10.76
Melting Point	234 - 236°C
Solubility	Aqueous Base (Slightly), DMSO (Slightly), Methanol (Slightly, Heated, Sonicated)
Specific Rotation	-41.0° (c = 0.4, 0.1 N NaOH)

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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