



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-217872
Lot Number: SAMPLE
Product Name: Cephalexin-d5
CAS Number: 23325-78-2 (unlabeled)
Molecular Formula: $C_{16}H_{14}D_5N_3O_5S$
Molecular Weight: 370.43
Native Source: Synthetic

Test	Result
Appearance	White solid
Identification (1H-NMR)	Conforms to structure
Identification (Mass Spectrometry)	Conforms to structure
Isotopic Purity	97.5%
Purity (TLC)	98%
Elemental Analysis	%C: 52.07 %H: 5.01 %N: 11.36
Melting Point	> 159 °C (dec.)
Solubility	Water (slightly)
Specific Rotation	+100.0 (c = 0.1, Water)

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com