



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-216829  
Lot Number: SAMPLE  
Product Name: 4-epi-Tetracycline-d6  
CAS Number: 79-85-6 (unlabeled)  
Molecular Formula:  $C_{22}H_{18}D_6N_2O_8$   
Molecular Weight: 450.47  
Native Source: Synthetic

Test	Specification	Result
Appearance		Yellow Solid
Identification ( $^1H$ -NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Isotopic Purity		96%
Purity (TLC)		50%
Atmosphere		Inert Gas
Melting Point		> 190 °C (dec.)
Solubility		DMSO, Methanol
Carbon Content		32.65%
Hydrogen Content		3.50%
Nitrogen Content		3.00%

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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