



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-474098
Lot Number: SAMPLE
Product Name: Tigecycline-d9
CAS Number: 220620-09-7 (unlabeled)
Molecular Formula: $C_{29}H_{30}D_9N_5O_8$
Molecular Weight: 594.71

Test	Specification	Result
Appearance		Yellow-brown solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		96%
Purity (TLC)		95%
Atmosphere		Air
Melting Point		>168°C (dec.)
Solubility		DMSO (slightly), Methanol (slightly), Water (slightly)
Carbon Content	58.57%	52.73%
Hydrogen Content	6.61%	6.77%
Nitrogen Content	11.78%	10.57%
Water Content (KF)		7.0%

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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