



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-475051
Lot Number: SAMPLE
Product Name: Tauro- α -muricholic acid-d4 sodium salt
CAS Number: 25613-05-2 unlabeled free acid
Molecular Formula: $C_{26}H_{40}D_4NO_7S \cdot Na$
Molecular Weight: 541.71
Native Source: Synthetic

Test	Specification	Result
Appearance		White solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		99.1%
Purity (TLC)		95%
Atmosphere		Inert gas
Melting Point		180 - 182 °C
Solubility		DMSO (slightly), Methanol (slightly)
Carbon Content	57.65%	53.31%
Hydrogen Content	8.19%	8.39%
Nitrogen Content	2.59%	2.72%
Sodium		3.62% (by Ion Chromatography)
Water Content		7.3% (based on Elemental Analysis)

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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