



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-499180
Lot Number: SAMPLE
Product Name: Dihydro isoferulic acid-d3 3-O-sulfate disodium salt
CAS Number: 1258842-21-5 (unlabeled free acid)
Molecular Formula: $C_{10}H_9D_3O_7S \cdot xNa$
Molecular Weight: 279.28
Native Source: Synthetic

Test	Specification	Result
Appearance		Pale brown solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		99.7%
Purity (TLC)		98%
Atmosphere		Inert gas
Melting Point		157 - 160 °C
Solubility		DMSO (slightly), Methanol (slightly)
Carbon Content	43.01% (Free Acid)	36.91%
Hydrogen Content	4.33% (Free Acid)	3.56%
Sodium Content		9.87% (by Ion Chromatography)

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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