



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-489256
Lot Number: SAMPLE
Product Name: Isoferulic Acid 3-O-Sulfate Disodium Salt
CAS Number: 1258842-19-1 (free acid)
Molecular Formula: $C_{10}H_8Na_2O_7S$
Molecular Weight: 318.21
Native Source: Synthetic

Test	Specification	Result
Appearance		Off-white solid
Identification (1H -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (TLC)		96%
Atmosphere		Inert gas
Melting Point		> 212 °C (dec.)
Solubility		DMSO (Slightly), Methanol (Very Slightly)
Carbon	37.74%	34.72%
Ethanol		1.3%
Hydrogen	2.53%	3.43%
Nitrogen		0.29%
Sodium		12.76% (by ion chromatography)
Water Content (KF)		8.4%

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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