



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-220865
Lot Number: SAMPLE
Product Name: 3-Deoxyglucosone
CAS Number: 4084-27-9
Molecular Formula: $C_6H_{10}O_5$
Molecular Weight: 162.14

Test	Specification	Result
Appearance	Yellow amorphous solid	Yellow amorphous solid
Identification (1H-NMR)		Conforms to structure
Identification (Mass Spectrometry)	M+H = ~161.1	161.05
Purity (1H-NMR)		≥ 95%
TLC	1 spot, Rf 0.3	1 spot, Rf 0.3
Solubility		DMSO, H ₂ O, MeOH
Loss on Drying	< 0.1%	< 0.1%

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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