



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-206911B
Lot Number: SAMPLE
Product Name: 4-Methylumbelliferyl 2-Sulfamino-2-deoxy- α -D-glucopyranoside Sodium Salt
CAS Number: 460085-45-4
Molecular Formula: $C_{16}H_{18}NO_{10}S \cdot Na$
Molecular Weight: 439.37

Test	Specification	Result
Appearance	White to off-white solid	White solid
Identification (NMR)	Conforms to structure	Complies
Identification (Mass Spectrometry)	Conforms to structure	Complies
Purity (HPLC)	> 95%	100.00% (205 nm)
Purity (TLC)		97%
Elemental Analysis	%C: 43.74 %H: 4.13 %N: 3.19	%C: 41.16 %H: 3.96 %N: 2.98
Solubility		DMSO (Slightly), Methanol (Very Slightly), Water (Slightly)
Specific Rotation		+157.5° (c = 0.2, Water)
Water Content (KF)		5.7%

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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