



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-284360
Lot Number: SAMPLE
Product Name: 4-Methylumbelliferyl β -D-glucuronide dihydrate
CAS Number: 6160-80-1 (anhydrous)
Molecular Formula: $C_{16}H_{16}O_9 \cdot 2H_2O$
Molecular Weight: 388.32

Test	Specification	Result
Appearance	Colorless crystals or white crystalline powder	White crystalline powder
Identification (1H -NMR)	Consistent with structure	Complies
Purity (HPLC)	$\geq 99\%$	99.4%
Solubility	Clear, colorless solution (1% in water at 60 $^{\circ}C$)	Complies
Specific Rotation ($\alpha_{20/D}$)	-103 - -107 $^{\circ}$ (C = 0.25, H_2O)	-105.69 $^{\circ}$
Free 4-Methylumbelliferone	≤ 25 ppm	Not detected
Water Content (KF)	8 - 10.2%	8.66%

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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