



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-202424  
Lot Number: SAMPLE  
Product Name: 5-Aza-2'-Deoxycytidine  
CAS Number: 2353-33-5  
Molecular Formula:  $C_8H_{12}N_4O_4$   
Molecular Weight: 228.21

Test	Specification	Result
Appearance	White or off-white crystalline powder	Complies
Identification (HPLC)	Conforms to structure	Complies
Purity (HPLC)	≥99%	99.94%
Residue on Ignition	≤0.1%	0.08%
Solubility	Hardly soluble in water; slightly soluble in Methanol; soluble in DMSO; practically insoluble in Acetone and in Dichloromethane.	Complies
Solution	Clear and transparent	Complies
Specific Rotation	+56° to +63°	+59.8°
Heavy Metals	≤20 ppm	Complies
Loss on Drying	≤0.5%	0.16%
Related Substances	Single impurity ≤0.2% Total impurities ≤1.0%	0.05% 0.06%

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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