



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-205098  
Lot Number: SAMPLE  
Product Name: 2',3'-Dideoxyinosine  
CAS Number: 69655-05-6  
Molecular Formula:  $C_{10}H_{12}N_4O_3$   
Molecular Weight: 236.23

| Test                               | Specification  | Result                          |
|------------------------------------|--|---------------------------------|
| Appearance                         | White or almost white crystalline powder   | Complies                        |
| Assay                              | $\geq 97\%$  | 101.0%                          |
| Identification (HPLC)              |  | Complies                        |
| Identification (Infrared Spectrum) |  | Complies                        |
| Residual Solvents                  | Hypoxanthine $\leq 0.5$<br>Inosine $\leq 0.2\%$<br>Any other impurity $\leq 0.1\%$<br>Total $\leq 1.0\%$ | 0.02%<br>0.01%<br>0.06%<br>0.3% |
| Residue on Ignition                | $\leq 0.2\%$   | 0.6%                            |
| Specific Rotation                  | $-24.0^\circ$ to $-28^\circ$ (anhydrous)   | $-24.6^\circ$                   |
| Heavy Metals                       | $\leq 20\text{ppm}$  | Complies                        |
| Water Content (KF)                 | $\leq 2.0\%$   | 0.6%                            |

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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