



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-497176  
Lot Number: SAMPLE  
Product Name: 5-Ethynyl-2'-deoxycytidine  
CAS Number: 69075-47-4  
Molecular Formula:  $C_{11}H_{13}N_3O_4$   
Molecular Weight: 251.24

| Test                               | Specification | Result              |
|------------------------------------|---------------|---------------------|
| Identification (NMR)               |               | Complies            |
| Identification (Infrared Spectrum) |               | Complies            |
| Identification (Mass Spectrometry) |               | MH+: 251.6          |
| Purity (HPLC)                      | $\geq 98\%$   | 100.0 %             |
| Purity (TLC)                       | $\geq 98\%$   | 100 %               |
| Melting Point                      |               | 222 - 225 °C (dec.) |
| $\lambda_{max}$                    |               | 212, 233, 292 nm    |

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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