



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-220667A  
Lot Number: SAMPLE  
Product Name: 2-(Dimethylamino)guanosine  
CAS Number: 2140-67-2  
Molecular Formula:  $C_{12}H_{17}N_5O_5$   
Molecular Weight: 311.29  
Native Source: Synthetic

| Test                               | Result  |
|------------------------------------|---|
| Appearance                         | Off-White Solid                                   |
| Identification (1H-NMR)            | Conforms to structure                             |
| Identification (Mass Spectrometry) | Conforms to structure                             |
| Purity (TLC)                       | 98%   |
| Elemental Analysis                 | %C: 45.33<br>%H: 5.20<br>%N: 21.67                |
| Melting Point                      | > 218 °C  |
| Solubility                         | DMSO (Slightly, Heated), Water (Slightly, Heated) |

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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