



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-218568  
Lot Number: SAMPLE  
Product Name: Gemcitabine-13C,15N2 Hydrochloride  
CAS Number: 1262897-74-4  
Molecular Formula:  $C_8(^{13}C)H_{10}ClF_2N(^{15}N)_2O_4$   
Molecular Weight: 302.64

| Test                               | Specification            | Result           |
|------------------------------------|--------------------------|------------------|
| Appearance                         | White to off-white solid | Complies         |
| Identification (NMR)               | Conforms to structure    | Complies         |
| Identification (13C-NMR)           | Conforms to structure    | Complies         |
| Identification (19F-NMR)           | Conforms to structure    | Complies         |
| Identification (Mass Spectrometry) | Conforms to structure    | Complies         |
| Isotopic Purity                    | > 95%                    | 99.0%            |
| Purity (HPLC)                      | > 95%                    | 99.82%           |
| Purity (TLC)                       |                          | 98%              |
| Solubility                         |                          | Water (Slightly) |
| Isopropanol                        |                          | 1.4%             |

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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