



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-213149
Lot Number: SAMPLE
Product Name: Varenicline Lactam
CAS Number: 873302-30-8
Molecular Formula: $C_{13}H_{11}N_3O$
Molecular Weight: 225.25
Native Source: synthetic

| Test | Specification | Result |
|------------------------------------|---------------------------|----------------------|
| Appearance | | Light yellow solid |
| Identification (1H -NMR) | Consistent with structure | Complies |
| Identification (Mass Spectrometry) | Consistent with structure | Complies |
| Purity (TLC) | | 97% |
| Atmosphere | | Air |
| Melting Point | | 231 - 233 °C (dec.) |
| Solubility | | Chloroform, methanol |
| Carbon Content | 69.32% | 68.45% |
| Hydrogen Content | 4.92% | 4.89% |
| Nitrogen Content | 18.66% | 18.05% |

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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