



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-212693
Lot Number: SAMPLE
Product Name: (R)-Propionyl Carnitine Chloride
CAS Number: 119793-66-7
Molecular Formula: $C_{10}H_{20}ClNO_4$
Molecular Weight: 253.72
Native Source: Synthetic

| Test | Specification | Result |
|------------------------------------|---------------------------|--------------------------|
| Appearance | | White solid |
| Identification (1H -NMR) | Consistent with structure | Complies |
| Identification (Mass Spectrometry) | Consistent with structure | Complies |
| Purity (TLC) | | 97% |
| Atmosphere | | Air |
| Melting Point | | 168 - 170 °C |
| Solubility | | Methanol and water |
| Specific Rotation | | -24.7° (c = 1.03, water) |
| Chloride | | 15.1% |

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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