



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-200442  
Lot Number: SAMPLE  
Product Name: Dihydrokainic acid  
CAS Number: 52497-36-6  
Molecular Formula:  $C_{10}H_{17}NO_4$   
Molecular Weight: 215.3

| Test                                 | Specification   | Result                    |
|--------------------------------------|---|---------------------------|
| Appearance                           | White to off-white solid  | White solid               |
| Microanalysis                        | Elemental analysis within 0.4 of expected result for each element | Complies                  |
| Identification (NMR)                 | Confirms structure and shows <1% of any other impurity            | Complies                  |
| TLC                                  | Single spot, $R_f = 0.26$   | Complies                  |
| Solubility                           | Soluble in water to 25 mM   | Complies                  |
| Optical Rotation ( $\alpha_{25/D}$ ) | -30° - -40° at 589 nm in water                                    | -36° (c = 0.25, in water) |

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 [www.scbt.com](http://www.scbt.com)