



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-204991
Lot Number: SAMPLE
Product Name: (±)13-HODE
CAS Number: 73804-64-5
Molecular Formula: $C_{18}H_{32}O_3$
Molecular Weight: 296.5

Test	Specification	Result
Identification (Mass Spectrometry - ESI)	M-H+ Expected: 295.5 -H ₂ O Expected: 277.5 -CO ₂ Expected: 195.5 -CH ₃ (CH ₂) ₄ CHO Expected: 195.5 -CO ₂ , C ₅ H ₁₂ Expected: 179.5	Actual: 295.3 Actual: 277.4 Actual: 251.4 Actual: 195.4 Actual: 179.4
Identification (UV)	Solvent: Ethanol λ max: 234 nm Abs: 0.776 Conc.: 1 mg/ml	λ max: 234 nm Abs: 0.804 Conc.: 103.61 ug/ml
Purity (HPLC)	Column: Silica, 5μ, 4.6 X 250 mm Mob. Phase: Hexane:Isopropanol:Acetic acid (965:34:1) Flow Rate: 1.00 ml/min Detector UV: 236 nm	Retention Time Actual: 14.70 min Purity: 100.0 %
Purity (TLC)	Mob. Phase: Hexane:Ethyl Acetate:Acetic Acid Stationary Phase: Silica Gel Visualized With: Sulfuric Acid	RF: 0.53 Purity: 100%

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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