



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-223183A
Lot Number: SAMPLE
Product Name: 17,20-dimethyl Prostaglandin F_{1α}
CAS Number:
Molecular Formula: C₂₂H₄₀O₅
Molecular Weight: 384.6

Test	Specification	Result
Identification (Mass Spectrometry - ESI)	M-H+ Expected: 383.5	Actual: 383.2
Purity (HPLC)	Column: Gemini C18, 5μ, 4.6 x 250mm Mob. Phase: Acetonitrile:Water:Acetic acid (50:50:0.1) Flow Rate: 1.00 ml/min Detector UV: 210 nm	Retention Time Actual.: 9.10 min Purity: 98.3 %
Purity (TLC)	Mob. Phase: Ethyl Acetate:Acetic Acid (100:1) Stationary Phase: Silica Gel Visualized With: Sulfuric Acid	Rf: 0.22 Purity %: 100.00
Melting Point	105-112 °C	105-107 °C

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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