



>>Derivative: Me ester

CAS Registry Number: 22329-76-6

Extra CAS Registry Numbers(s): 2309-07-1

Molecular Formula: C₁₁H₁₂O₄

Molecular Weight: 208.213

Accurate Mass: 208.07356

Percentage Composition: C 63.45%; H 5.81%; O 30.74%

Melting Point: Mp 63-64°

>>Derivative: Et ester

CAS Registry Number: 28028-62-8

Extra CAS Registry Numbers(s): 4046-02-0

Molecular Formula: C₁₂H₁₄O₄

Molecular Weight: 222.24

Accurate Mass: 222.08921

Percentage Composition: C 64.85%; H 6.35%; O 28.80%

Melting Point: Mp 63-65°

Boiling Point: Bp_{0.5} 164-166°

Aldrich: 32061-7

>>Derivative: Tetradecyl ester

Synonym(s): Tetradecyl (*E*)-ferulate. **Erythrinasinat** C. Erythrinassinat C

Extra CAS Registry Numbers(s): 169694-26-2

Molecular Formula: C₂₄H₃₈O₄

Molecular Weight: 390.562

Accurate Mass: 390.27701

Percentage Composition: C 73.81%; H 9.81%; O 16.39%

Biological Source: Constit. of *Erythrina sigmoidea*

Physical Description: Amorph. powder

Melting Point: Mp 76°

>>Derivative: Hexadecyl ester

Synonym(s): Hexadecyl (*E*)-ferulate

CAS Registry Number: 158306-36-6

Extra CAS Registry Numbers(s): 64190-80-3

Molecular Formula: C₂₆H₄₂O₄

Molecular Weight: 418.615

Accurate Mass: 418.30831

Percentage Composition: C 74.60%; H 10.11%; O 15.29%

Biological Source: Isol. from *Euchresta horsfieldii* and *Ipomoea batatas*

>>Derivative: Octadecyl ester

Synonym(s): Octadecyl (*E*)-ferulate

CAS Registry Number: 133882-77-6

Extra CAS Registry Numbers(s): 64190-81-4

Molecular Formula: C₂₈H₄₆O₄

Molecular Weight: 446.669

Accurate Mass: 446.33961

Percentage Composition: C 75.29%; H 10.38%; O 14.33%

Biological Source: Constit. of *Euphorbia pekinensis*, *Lupinus luteus*, *Pavetta owariensis*, *Rubia tinctorum* and other plants

Physical Description: Needles

Melting Point: Mp 110-111°

UV: [neutral] λ_{max} 204 (log ε 4.24); 237 (log ε 3.95); 324 (log ε 4.25) (MeOH)