



>>Derivative: 3-Ac

CAS Registry Number: 7089-38-5

Molecular Formula: C₃₂H₅₂O₃

Molecular Weight: 484.761

Accurate Mass: 484.391645

Percentage Composition: C 79.29%; H 10.81%; O 9.90%

Biological Source: Constit. of *Calophyllum inophyllum*, *Machaerium incorruptibile* and others

Physical Description: Cryst. (CHCl₃/MeOH)

Melting Point: Mp 238.5-239°

Optical Rotation: [α]_D +71 (CHCl₃)

UV: [neutral] λ_{max} 239 () (MeOH) (Berdy)

>>Derivative: 28-Ac

Synonym(s): 28-Acetylerythrodol

Molecular Formula: C₃₂H₅₂O₃

Molecular Weight: 484.761

Accurate Mass: 484.391645

Percentage Composition: C 79.29%; H 10.81%; O 9.90%

Biological Source: Constit. of *Erythrina eriotriocho*

Physical Description: Oil

Other Data: Incorrectly named as 28-Acetoxyerythrodiol in ref.

>>Derivative: Di-Ac

Synonym(s): Erythrodiol diacetate. Erithrodiol diacetate

Molecular Formula: C₃₄H₅₄O₄

Molecular Weight: 526.798

Accurate Mass: 526.40221

Percentage Composition: C 77.52%; H 10.33%; O 12.15%

Biological Source: Constit. of *Salvia tchihatcheffii*

Physical Description: Cryst.

Melting Point: Mp 190°

Optical Rotation: [α]_D²⁰ +65 (c, 0.1 in CHCl₃)

>>Derivative: 3-Decanoyl

Synonym(s): Erythrodiol 3-decanoate

CAS Registry Number: 36286-67-6

Molecular Formula: C₄₀H₆₈O₃

Molecular Weight: 596.975

Accurate Mass: 596.516845

Percentage Composition: C 80.48%; H 11.48%; O 8.04%

Biological Source: Isol. from leaves of *Madhuca longifolia*

Melting Point: Mp 152°

>>Derivative: 3-Hexadecanoyl

Synonym(s): Erythrodiol 3-palmitate

CAS Registry Number: 19833-13-7

Molecular Formula: C₄₆H₈₀O₃

Molecular Weight: 681.136

Accurate Mass: 680.610745

Percentage Composition: C 81.12%; H 11.84%; O 7.05%

Biological Source: Isol. from *Madhuca latifolia*, *Bumelia obtusifolia* and *Tagetes* spp.

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 121-123°

>>Derivative: 3-(4-Hydroxycinnamoyl)(E-)

Synonym(s): E-Coumaroylerythrodol

CAS Registry Number: 113476-64-5