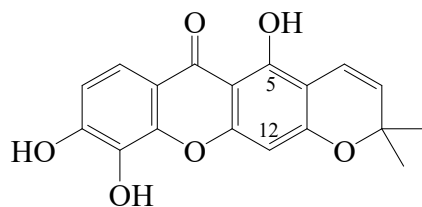




>>Entry Name: Jacareubin

Synonym(s): 5,9,10-Trihydroxy-2,2-dimethyl-2*H*,6*H*-pyrano[3,2-*b*]xanthen-6-one, 9Cl



CAS Registry Number: 3811-29-8

Molecular Formula: C₁₈H₁₄O₆

Molecular Weight: 326.305

Accurate Mass: 326.07904

Percentage Composition: C 66.26%; H 4.32%; O 29.42%

Biological Source: Constit. of the heartwood of many *Calophyllum* spp. (Guttiferae). Also isol. from *Mesua myrtifolia* and from *Pentadesma butyracea*

Physical Description: Bright-yellow prisms (MeOH)

Melting Point: Mp 212-214°. Mp 256-257 dec.°

UV: [neutral] λ_{max} 240 (ε 12200); 279 (ε 40800); 334 (ε 18200) (MeOH) (Berdy) [neutral] λ_{max} 241 (ε 18200); 283 (ε 41700); 332 (ε 19050) (EtOH) (Berdy)

>>Derivative: 5-Me ether

Synonym(s): Caloxanthone K. 1-*O*-Methyljacareubin

CAS Registry Number: 189065-54-1

Molecular Formula: C₁₉H₁₆O₆

Molecular Weight: 340.332

Accurate Mass: 340.09469

Percentage Composition: C 67.05%; H 4.74%; O 28.21%

Biological Source: Constit. of *Calophyllum apetalum*

Physical Description: Amorph. yellow powder

UV: [neutral] λ_{max} 257 (sh) (); 268 (); 300 (sh) (); 350 (sh) () (No solvent reported)

>>Derivative: Tri-Me ether

Molecular Formula: C₂₁H₂₀O₆

Molecular Weight: 368.385

Accurate Mass: 368.12599

Percentage Composition: C 68.47%; H 5.47%; O 26.06%

Physical Description: Needles (MeOH)

Melting Point: Mp 182-183°

>>Derivative: 9-Deoxy

Synonym(s): 6-Deoxyjacareubin

CAS Registry Number: 16265-56-8

Molecular Formula: C₁₈H₁₄O₅

Molecular Weight: 310.306

Accurate Mass: 310.084125

Percentage Composition: C 69.67%; H 4.55%; O 25.78%

Biological Source: Constit. of the heartwood of *Calophyllum* spp. and of *Kielmeyera speciosa*

Physical Description: Yellow prisms (EtOAc)

Melting Point: Mp 212-214°

>>Derivative: 12-Methoxy, tri-Me ether

Synonym(s): Dulxanthone E

Molecular Formula: C₂₂H₂₂O₇

Molecular Weight: 398.412

Accurate Mass: 398.136555

Percentage Composition: C 66.32%; H 5.57%; O 28.11%

Biological Source: Constit. of *Garcinia dulcis*

Physical Description: Yellow cubes (EtOAc)

Melting Point: Mp 191-192°

UV: [neutral] λ_{max} 272 (ε 4.2); 320 (ε 3.75) (MeOH)