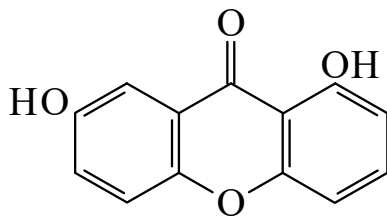




>>Entry Name: 1,7-Dihydroxyxanthone

Synonym(s): 1,7-Dihydroxy-9*H*-xanthen-9-one, 9Cl. **Euxanthone**. Eyxanthone. Purrenone



CAS Registry Number: 529-61-3

Type of Compound Code(s): VG0552

Molecular Formula: C₁₃H₈O₄

Molecular Weight: 228.204

Accurate Mass: 228.04226

Percentage Composition: C 68.42%; H 3.53%; O 28.04%

Biological Source: Occurs in *Calophyllum* spp., *Mesua ferrea* and *Mesua thwaitesii*, *Mammea americana*, *Platonia insignis*, *Mangifera indica*, *Symphonia globulifera*, *Allanblackia floribunda*, etc.

Physical Description: Yellow needles (toluene)

Melting Point: Mp 240°

>>Derivative: 7-*O*-β-D-Glucopyranoside

Synonym(s): Wubangzicide B

CAS Registry Number: 96935-32-9

Type of Compound Code(s): VG0552

Molecular Formula: C₁₉H₁₈O₉

Molecular Weight: 390.346

Accurate Mass: 390.095085

Percentage Composition: C 58.46%; H 4.65%; O 36.89%

Biological Source: Isol. from *Polygala caudata*

>>Derivative: 7-*O*-β-D-Glucuronopyranoside

Synonym(s): Euxanthinic acid. Euxanthic acid

CAS Registry Number: 525-14-4

Type of Compound Code(s): VG0552

Molecular Formula: C₁₉H₁₆O₁₀

Molecular Weight: 404.329

Accurate Mass: 404.07435

Percentage Composition: C 56.44%; H 3.99%; O 39.57%

Use/Importance: A mixt. of Ca and Mg salts is used as an artists pigment - *Indian yellow* (*Natural Dye C.I. 75320*)

>>Derivative: 7-*O*-[α-L-Rhamnopyranosyl-(1→2)-β-D-glucopyranoside]

Synonym(s): Polycaudoside A

Type of Compound Code(s): VG0552

Molecular Formula: C₂₅H₂₈O₁₃

Molecular Weight: 536.488

Accurate Mass: 536.152995

Percentage Composition: C 55.97%; H 5.26%; O 38.77%

Biological Source: Constit. of *Polygala caudata*

Physical Description: Yellow needles

Melting Point: Mp 175-177°

UV: [neutral] λ_{max} 233 (); 256 (); 286 (); 376 () (MeOH)

>>Derivative: 7-*O*-[β-D-Apiofuranosyl-(1→6)-β-D-glucopyranoside]

Synonym(s): Wubangzicide A

CAS Registry Number: 96935-31-8

Type of Compound Code(s): VG0552

Molecular Formula: C₂₄H₂₆O₁₃

Molecular Weight: 522.462

Accurate Mass: 522.137345

Percentage Composition: C 55.17%; H 5.02%; O 39.81%

Biological Source: Isol. from *Polygala caudata*