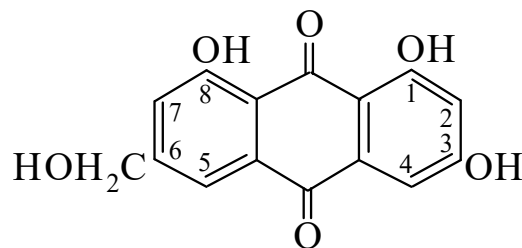




>>Entry Name: 1,3,8-Trihydroxy-6-hydroxymethylantraquinone

Synonym(s): Citreorosein. ω-Hydroxyemodin



CAS Registry Number: 481-73-2

Molecular Formula: C₁₅H₁₀O₆

Molecular Weight: 286.24

Accurate Mass: 286.04774

Percentage Composition: C 62.94%; H 3.52%; O 33.54%

Biological Source: Metab. of *Penicillium* spp. and *Preussia multispora*. Found in roots of *Polygonum cuspidatum*, aerial parts of *Rhamnus nepalensis* and in the lichens *Xanthoria aureola* and the insects *Nipaecoccus aurilanus* and *Pseudococcus albizziae*

Use/Importance: cAMP phosphodiesterase inhibitor

Physical Description: Yellow-orange needles (EtOH)

Melting Point: Mp 282°. Mp 288°

UV: [neutral] λ_{max} 224 (log ε 4.4); 250 (log ε 4.15); 268 (sh) (log ε 4.12); 295 (log ε 3.95); 440 (log ε 3.92); 455 (log ε 3.9) (EtOH) [neutral] λ_{max} 221 (ε 25700); 252 (ε 15500); 290 (ε 15500); 438 (ε 9000) (EtOH) (Berdy)

>>Derivative: 1-Me ether

Synonym(s): 1,6-Dihydroxy-3-hydroxymethyl-8-methoxyanthraquinone. **Questinol**

CAS Registry Number: 35688-09-6

Molecular Formula: C₁₆H₁₂O₆

Molecular Weight: 300.267

Accurate Mass: 300.06339

Percentage Composition: C 64.00%; H 4.03%; O 31.97%

Biological Source: Metab. of *Penicillium frequentans*, and *Chrysosporium merdarium*. Also isol. from roots of *Polygonum cuspidatum*

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 280-282°

>>Derivative: 3-Me ether

Synonym(s): 1,8-Dihydroxy-3-hydroxymethyl-6-methoxyanthraquinone. **Fallacinol**. Teloschistin

CAS Registry Number: 569-05-1

Molecular Formula: C₁₆H₁₂O₆

Molecular Weight: 300.267

Accurate Mass: 300.06339

Percentage Composition: C 64.00%; H 4.03%; O 31.97%

Biological Source: Pigment of lichens, e.g. *Anthonia elegans*, *Protoblastenia incrustans* and *Fulgensia*, *Xanthoria* and *Caloplaca* spp.; and from *Dermocybe cinnabarina*

Physical Description: Red cryst.

Melting Point: Mp 246-247°

UV: [neutral] λ_{max} 224 (); 250 (); 265 (); 287 (); 433 (); 455 () (MeOH) (Berdy)

>>Derivative: 8-Me ether

Synonym(s): 1,3-Dihydroxy-6-hydroxymethyl-8-methoxyanthraquinone. **Carviolin**. Roseopurpurin

Molecular Formula: C₁₆H₁₂O₆

Molecular Weight: 300.267

Accurate Mass: 300.06339

Percentage Composition: C 64.00%; H 4.03%; O 31.97%

Biological Source: Pigment from *Penicillium carminoviolaceum*

Physical Description: Yellow needles (AcOH)

Melting Point: Mp 286°

UV: [neutral] λ_{max} 210 (); 248 (); 267 (); 278 (); 284 (); 434 () (EtOH) (Berdy)