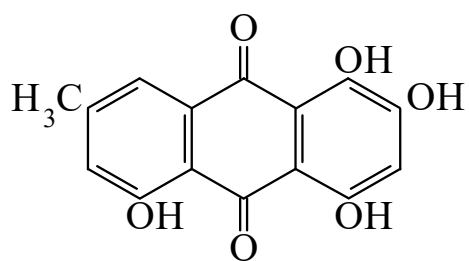




>>Entry Name: 1,2,4,5-Tetrahydroxy-7-methylanthraquinone

Synonym(s): 1,2,4,5-Tetrahydroxy-7-methyl-9,10-anthracenedione, 9Cl. 5-Hydroxyemodin



CAS Registry Number: 20324-66-7

Molecular Formula: C₁₅H₁₀O₆

Molecular Weight: 286.24

Accurate Mass: 286.04774

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

Biological Source: Found in lichens *Asahinea* sp., senna root bark (*Cassia javanica*) and isol. from the scale insect *Eriococcus coriaceus*

Physical Description: Cryst. by subl.

Melting Point: Mp 300°

>>Derivative: 4-O-β-D-Glucopyranoside

CAS Registry Number: 61362-04-7

Molecular Formula: C₂₁H₂₀O₁₁

Molecular Weight: 448.382

Accurate Mass: 448.100565

Percentage Composition: C 56.25%; H 4.50%; O 39.25%

Biological Source: Isol. from *Eriococcus coriaceus*

Physical Description: Amorph. red solid

Melting Point: Mp 163°

>>Derivative: 4-O-α-L-Rhamnopyranoside

CAS Registry Number: 71973-19-8

Molecular Formula: C₂₁H₂₀O₁₀

Molecular Weight: 432.383

Accurate Mass: 432.10565

Percentage Composition: C 58.34%; H 4.66%; O 37.00%

Biological Source: Isol. from root bark of *Cassia javanica*

>>Derivative: 2-Me ether

Synonym(s): 1,4,5-Trihydroxy-2-methoxy-7-methylanthraquinone. **Xanthorin**

CAS Registry Number: 17526-15-7

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 *Xanthoria elegans*, *Laurea purpurina* and bark of *Dalbergia sissoo*, also from *Cassia occidentalis*, *Cassia torosa*, *Cassia obtusifolia*, *Ventilago calyculata*, *Ventilago maderaspatana*, *Caloplaca* spp. and *Xanthoria* spp. lichens

Physical Description: Red cryst. (toluene)

Melting Point: Mp 251-253°

>>Derivative: 2-Me ether, 4-O-[β-D-glucopyranosyl-(1→6)-β-D-glucopyranoside]

Synonym(s): Xanthorin 4-gentiobioside

CAS Registry Number: 150461-87-3

Molecular Formula: C₂₈H₃₂O₁₆

Molecular Weight: 624.551

Accurate Mass: 624.16904

Percentage Composition: C 53.85%; H 5.16%; O 40.99%

Biological Source: Constit. of *Dermocybe splendida*