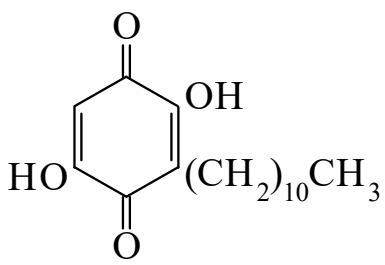
>>**Entry Name: 2,5-Dihydroxy-3-undecyl-1,4-benzoquinone**
Synonym(s): 2,5-Dihydroxy-3-undecyl-2,5-cyclohexadiene-1,4-dione, 9CI. **Embelin.** Embelic acid. Embeliaquinone



CAS Registry Number: 550-24-3
Type of Compound Code(s): PA5010 PS8300 XA3300 XA0900 VA7300 VG0320 PA0070

Molecular Formula: $C_{17}H_{26}O_4$
Molecular Weight: 294.39
Accurate Mass: 294.18311
Percentage Composition: C 69.36%; H 8.90%; O 21.74%
Biological Source: Constit. of *Embelia ribes*, *Embelia tsjersium-cottam, Ardisia humilis, Rapanea umbellata* and *Connarus ritchiei*. Also from *Embelia robusta*, *Embelia kilimandscharica*, *Myrsine africana*, *Myrsine semiserrata*, *Myrsine capitellata*, *Rapanea neurophylla* and *Embelia barbeyana*
Use/Importance: Anthelminthic, potent oral contraceptive. Used as a 1% soln. in EtOH for photometric detn. of Al, Be, Ba, Ca, Mg, Sr, Th, U
Physical Description: Orange cryst. (MeOH or hexane/EtOH)
Melting Point: Mp 145-146°
Solubility: Insol. H_2O
Calculated Log P Data: Log P 5.14 (calc)
UV: [base] λ_{max} (solvent not reported) (Derep) [neutral] λ_{max} 292 (ε 16200); 424 (ε 280) (95% EtOH) (Derep) [neutral] λ_{max} 292 (ε 17400); 426 (ε 340) (MeOH) (Berdy)
Hazard & Toxicity: Exp. reprod. effects (male and female)

Sigma: E2521

>>**Derivative:** Di-Ac

Molecular Formula: $C_{21}H_{30}O_6$
Molecular Weight: 378.464
Percentage Composition: C 66.65%; H 7.99%; O 25.36%
Physical Description: Yellow cryst. (MeOH aq.)
Melting Point: Mp 54°. Mp 59°

>>**Derivative:** 5-Me ether
Synonym(s): 2-Hydroxy-5-methoxy-3-undecyl-1,4-benzoquinone. **5-*O*-Methylembelin**

CAS Registry Number: 56005-10-8
Type of Compound Code(s): VG0320 VA7300
Molecular Formula: $C_{18}H_{28}O_4$
Molecular Weight: 308.417
Accurate Mass: 308.19876
Percentage Composition: C 70.10%; H 9.15%; O 20.75%
Biological Source: Constit. of *Aegiceras corniculatum* and *Myrsine africana*
Use/Importance: Piscicide
Physical Description: Orange cryst.
Melting Point: Mp 95-96°
UV: [base] λ_{max} (solvent not reported) (Derep) [neutral] λ_{max} 285 (ε 398) (95% EtOH) (Derep)

>>**Derivative:** Di-Me ether

Molecular Formula: $C_{19}H_{30}O_4$
Molecular Weight: 322.444
Percentage Composition: C 70.77%; H 9.38%; O 19.85%
Physical Description: Cryst. (MeOH aq.)
Melting Point: Mp 58°

References: