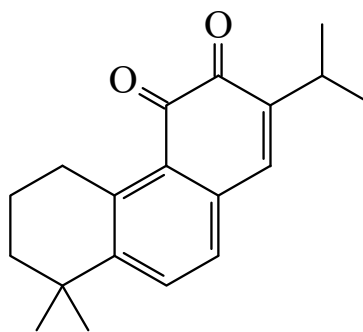




>>Entry Name: Miltirone

Synonym(s): 5,6,7,8-Tetrahydro-8,8-dimethyl-2-(1-methylethyl)-3,4-phenanthrenedione, 9Cl. 5,6,7,8-Tetrahydro-2-isopropyl-8,8-dimethyl-3,4-phenanthraquinone. 20-Nor-5,7,9,13-abietatetraene-11,12-dione. Rosmariquinone



CAS Registry Number: 27210-57-7

Molecular Formula: C₁₉H₂₂O₂

Molecular Weight: 282.382

Accurate Mass: 282.16198

Percentage Composition: C 80.82%; H 7.85%; O 11.33%

Biological Source: Constit. of roots of *Salvia miltiorrhiza* (Chinese sage) and *Salvia drobvii* used in folk medicine. Also present in leaves of rosemary (*Rosmanies officinalis*)

Use/Importance: Antioxidant

Physical Description: Red needles (petrol)

Melting Point: Mp 100°

UV: [neutral] λ_{max} 230 (ε 15800); 260 (ε 19000); 370 (ε 2000); 480 (ε 2250) (EtOH) (Derep) [neutral] λ_{max} 260 (ε 35480); 362 (ε 2290); 436 (ε 3311) (MeOH) (Berdy)

>>Derivative: 1,2-Didehydro

Synonym(s): 1,5,7,9,13-Abietapentaene-11,12-dione. **1,2-Didehydromiltirone**

CAS Registry Number: 116064-77-8

Molecular Formula: C₁₉H₂₀O₂

Molecular Weight: 280.366

Accurate Mass: 280.14633

Percentage Composition: C 81.40%; H 7.19%; O 11.41%

Biological Source: Constit. of roots of *Salvia miltiorrhiza*

Physical Description: Red cryst. (hexane)

Melting Point: Mp 71-75°

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