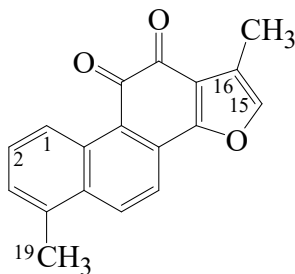




>>Entry Name: Tanshinone I

Synonym(s): 1,6-Dimethylphenanthro[1,2-*b*]furan-10,11-dione, 9Cl. 14,16-Epoxy-18,20-dinor-1,3,5(10),6,8,13,15-abietaheptaene-11,12-dione



CAS Registry Number: 568-73-0

Molecular Formula: C<sub>18</sub>H<sub>12</sub>O<sub>3</sub>

Molecular Weight: 276.291

Accurate Mass: 276.078645

Percentage Composition: C 78.25%; H 4.38%; O 17.37%

Biological Source: Pigment from the roots of several *Salvia* spp.

Physical Description: Brown-red needles (C<sub>6</sub>H<sub>6</sub>/petrol)

Melting Point: Mp 233-234° (229-231°)

UV: [neutral] λ<sub>max</sub> 244 (); 245 (ε 31600); 325 (); 330 (ε 4000); 417 (); 420 (ε 4680) (MeOH) (Berdy) [neutral] λ<sub>max</sub> 244 (ε 41700); 325 (ε 4780); 417 (ε 5010) (EtOH) (Berdy)

>>Derivative: 1,2-Dihydro

Synonym(s): 1,2-Dihydrotanshinone I

CAS Registry Number: 77769-21-2

Molecular Formula: C<sub>18</sub>H<sub>14</sub>O<sub>3</sub>

Molecular Weight: 278.307

Accurate Mass: 278.094295

Percentage Composition: C 77.68%; H 5.07%; O 17.25%

Biological Source: Constit. of *Salvia miltiorrhiza* and *Salvia przewalskii*

>>Derivative: 15,16-Dihydro

Synonym(s): 15,16-Dihydrotanshinone I

CAS Registry Number: 20958-19-4

Extra CAS Registry Numbers(s): 87205-99-0

Molecular Formula: C<sub>18</sub>H<sub>14</sub>O<sub>3</sub>

Molecular Weight: 278.307

Accurate Mass: 278.094295

Percentage Composition: C 77.68%; H 5.07%; O 17.25%

Biological Source: Constit. of *Salvia miltiorrhiza*

Biological Use/Importance: Cytotoxic agent

Physical Description: Red needles

Melting Point: Mp 224-225°

>>Derivative: 1,2,15,16-Tetrahydro

Synonym(s): 1,2,15,16-Tetrahydrotanshinone I. Trijuganone B

CAS Registry Number: 126979-84-8

Molecular Formula: C<sub>18</sub>H<sub>16</sub>O<sub>3</sub>

Molecular Weight: 280.323

Accurate Mass: 280.109945

Percentage Composition: C 77.12%; H 5.75%; O 17.12%

Biological Source: Constit. of *Salvia miltiorrhiza* and *Salvia trijuga*

Physical Description: Red cryst. (EtOAc/hexane)

Melting Point: Mp 142-144°