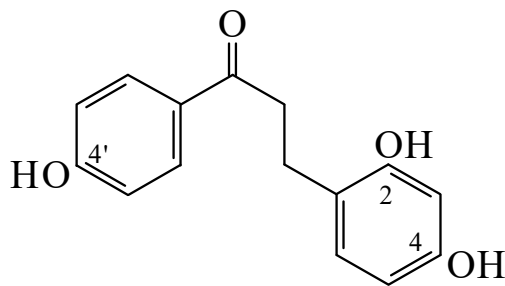




>>Entry Name: 3-(2,4-Dihydroxyphenyl)-1-(4-hydroxyphenyl)-1-propanone

Synonym(s): 2,4,4'-Trihydroxydihydrochalcone



Type of Compound Code(s): VK6200

Molecular Formula: C₁₅H₁₄O₄

Molecular Weight: 258.273

Accurate Mass: 258.08921

Percentage Composition: C 69.76%; H 5.46%; O 24.78%

General Statement: Chalcone numbering shown

Biological Source: Constit. of *Dracaena draco*

Physical Description: Amorph.

UV: [neutral] $\lambda_{\max}$ 221 (log ϵ 4.2); 263 (log ϵ 3.99); 281 (log ϵ 4.12) (EtOH)

>>Derivative: 2-Me ether

Synonym(s): 3-(4-Hydroxy-2-methoxyphenyl)-1-(4-hydroxyphenyl)-1-propanone. **Loureirin C**

CAS Registry Number: 116384-24-8

Type of Compound Code(s): VK6200

Molecular Formula: C₁₆H₁₆O₄

Molecular Weight: 272.3

Accurate Mass: 272.10486

Percentage Composition: C 70.58%; H 5.92%; O 23.50%

Biological Source: Constit. of *Dracaena loureiri*

Physical Description: Yellow foam

Melting Point: Mp 157-158°

>>Derivative: 2,4-Di-Me ether

Synonym(s): 3-(2,4-Dimethoxyphenyl)-1-(4-hydroxyphenyl)-1-propanone. **Loureirin A**

CAS Registry Number: 119425-89-7

Type of Compound Code(s): VK6200

Molecular Formula: C₁₇H₁₈O₄

Molecular Weight: 286.327

Accurate Mass: 286.12051

Percentage Composition: C 71.31%; H 6.34%; O 22.35%

Biological Source: Constit. of *Dracaena loureiri*

Physical Description: Cryst.

Melting Point: Mp 124°

>>Derivative: 4-Me ether

Synonym(s): 1-(4-Hydroxyphenyl)-3-(2-hydroxy-4-methoxyphenyl)-1-propanone. 2,4'-Dihydroxy-4-methoxydihydrochalcone

CAS Registry Number: 98094-90-7

Type of Compound Code(s): VK6200

Molecular Formula: C₁₆H₁₆O₄

Molecular Weight: 272.3

Accurate Mass: 272.10486

Percentage Composition: C 70.58%; H 5.92%; O 23.50%

Biological Source: Isol. from *Bauhinia manca*

Physical Description: Oil

References:

- Meksuriyen, D. *et al.*, *J. Nat. Prod.*, 1988, **51**, 1129-1135, (*isol*, *pmr*, *cmr*)
Achenbach, H. *et al.*, *Phytochemistry*, 1988, **27**, 1835-1841, (*isol*)
Gonzalez, A.G. *et al.*, *J. Nat. Prod.*, 2000, **63**, 1297-1299, (*isol*, *pmr*, *cmr*)