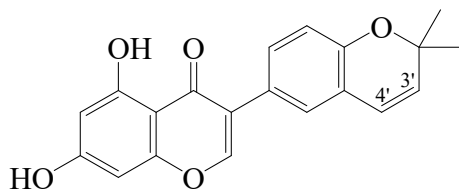




>>Entry Name: Isoderrone

Synonym(s): 3-(2,2-Dimethyl-2*H*-1-benzopyran-6-yl)-5,7-dihydroxy-4*H*-1-benzopyran-4-one, 9Cl



CAS Registry Number: 121747-89-5

Molecular Formula: C₂₀H₁₆O₅

Molecular Weight: 336.343

Accurate Mass: 336.099775

Percentage Composition: C 71.42%; H 4.79%; O 23.78%

Biological Source: Constit. of *Lupinus albus*

Physical Description: Amorph. solid

>>Derivative: 3',4'-Dihydro, 3*S*,4*R*-dihydroxy

Synonym(s): Dihydroisoderrondiol

Molecular Formula: C₂₀H₁₈O₇

Molecular Weight: 370.358

Accurate Mass: 370.105255

Percentage Composition: C 64.86%; H 4.90%; O 30.24%

Biological Source: Constit. of *Genista corsica*

Physical Description: Pale yellow solid

Melting Point: Mp 168-174°

Optical Rotation: $[\alpha]_{\text{D}}^{25} -0.02$ (c, 2.7 in MeOH)

UV: [neutral] λ_{max} 263 (log ϵ 4.3); 299 (sh) (log ϵ 3.93) (MeOH)

References:

Tahara, S. *et al.*, *Phytochemistry*, 1989, **28**, 901

Pistelli, L. *et al.*, *J. Nat. Prod.*, 2000, **63**, 504-506, (*Dihydroisoderrondiol*)