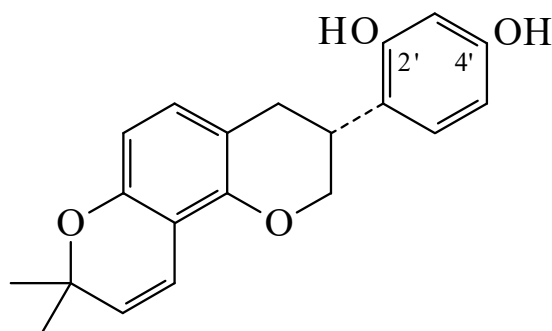




>>Entry Name: Glabridin

Synonym(s): 4-[3,4-Dihydro-8,8-dimethyl-2*H*,8*H*-benzo[1,2-*b*:3,4-*b'*]dipyran-3-yl]-1,3-benzenediol



Molecular Formula: C₂₀H₂₀O₄

Molecular Weight: 324.376

Accurate Mass: 324.13616

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

>>Variant: (*R*)-form

CAS Registry Number: 59870-68-7

Molecular Formula: C₂₀H₂₀O₄

Molecular Weight: 324.376

Accurate Mass: 324.13616

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

Biological Source: Isol. from *Glycyrrhiza glabra*

Use/Importance: Possesses antimicrobial props. Phytoalexin

Physical Description: Plates (C₆H₆)

Melting Point: Mp 154-155°

Optical Rotation: [α]_D²⁰ +8.2 (c, 2.07 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 228 (); 281 (ϵ 12500); 282 (); 287 (ϵ 11300); 312 () (MeOH) (Berdy) [neutral] $\lambda_{\max}$ 281 (ϵ 15200); 288 (); 312 () (EtOH) (Berdy)

>>Derivative: Di-Ac

Physical Description: Prisms (EtOH)

Melting Point: Mp 164-166°

>>Derivative: 2'-Me ether

Synonym(s): 2'-*O*-Methylglabridin

Molecular Formula: C₂₁H₂₂O₄

Molecular Weight: 338.402

Accurate Mass: 338.15181

Percentage Composition: C 74.54%; H 6.55%; O 18.91%

Biological Source: Constit. of *Glycyrrhiza glabra*

Use/Importance: Antimicrobial

Physical Description: Needles (EtOH)

Melting Point: Mp 124-126°

>>Derivative: 4'-Me ether

Synonym(s): 4'-*O*-Methylglabridin

CAS Registry Number: 68978-09-6

Molecular Formula: C₂₁H₂₂O₄

Molecular Weight: 338.402

Accurate Mass: 338.15181

Percentage Composition: C 74.54%; H 6.55%; O 18.91%

Biological Source: From *Glycyrrhiza glabra*

Use/Importance: Possesses antimicrobial props.

Physical Description: Needles (cyclohexane)

Melting Point: Mp 120-121°

Optical Rotation: [α]_D²⁸ +10.2 (c, 1.04 in CHCl₃)