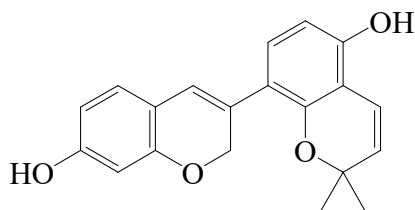




>>Entry Name: Glabrene

Synonym(s): 2',2'-Dimethyl[3,8'-bi-2*H*-1-benzopyran]-5',7-diol, 9Cl



CAS Registry Number: 60008-03-9

Molecular Formula: C₂₀H₁₈O₄

Molecular Weight: 322.36

Accurate Mass: 322.12051

Percentage Composition: C 74.52%; H 5.63%; O 19.85%

Biological Source: Constit. of root of *Glycyrrhiza glabra*

Use/Importance: Antioxidant

Physical Description: Pale-brown plates (C₆H₆/Me₂CO); plates (MeOH aq.)

Melting Point: Mp 200-203 dec.°

UV: [neutral] λ_{max} 245 (); 283 (); 293 (); 321 () (MeOH) (Berdy) [neutral] λ_{max} 248 (ε 7400); 281 (ε 18000); 297 (ε 19600); 324 (ε 20900) (EtOH) (Berdy)

>>Derivative: Di-Ac

Physical Description: Needles (EtOH)

Melting Point: Mp 148-150°

References:

Kinoshita, T. *et al.*, *Chem. Pharm. Bull.*, 1976, **24**, 991-994, (*isol, pmr, ir, uv*)

Mitscher, L.A. *et al.*, *Heterocycles*, 1978, **9**, 1533, (*uv, pmr, ms*)

Fukai, T. *et al.*, *Phytochemistry*, 1996, **43**, 1119-1124, (*pmr, cmr, ms, struct*)

Kinoshita, T. *et al.*, *Nat. Prod. Lett.*, 1997, **9**, 289-296, (*isol, cmr, struct*)