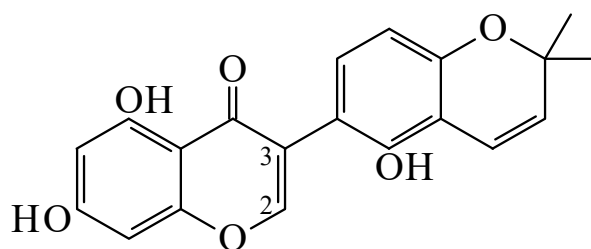




>>Entry Name: Licoisoflavone B

Synonym(s): 5,7-Dihydroxy-3-(5-hydroxy-2,2-dimethyl-2H-1-benzopyran-6-yl)-4H-1-benzopyran-4-one, 9CI



CAS Registry Number: 66056-30-2

Molecular Formula: $C_{20}H_{16}O_6$

Molecular Weight: 352.343

Accurate Mass: 352.09469

Percentage Composition: C 68.18%; H 4.58%; O 27.25%

Biological Source: Constit. of the root of *Glycyrrhiza* spp. and from *Lupinus albus*

UV: [neutral] $\lambda_{\max}$ 264 () (MeOH) (Berdy) [base] $\lambda_{\max}$ 245 (); 268 (); 342 () (MeOH-NAOH) (Berdy)

>>Derivative: Tri-Ac

Physical Description: Cryst. (EtOH)

Melting Point: Mp 181-182°

>>Derivative: 2,3-Dihydro

Synonym(s): Licoisoflavanone

CAS Registry Number: 66067-26-3

Molecular Formula: $C_{20}H_{18}O_6$

Molecular Weight: 354.359

Accurate Mass: 354.11034

Percentage Composition: C 67.79%; H 5.12%; O 27.09%

Biological Source: From *Glycyrrhiza* spp.

>>Derivative: 2,3-Dihydro, 5-deoxy

Synonym(s): 5-Deoxylicoisoflavanone

Molecular Formula: $C_{20}H_{18}O_5$

Molecular Weight: 338.359

Accurate Mass: 338.115425

Percentage Composition: C 71.00%; H 5.36%; O 23.64%

Biological Source: Constit. of *Erythrina lysistemon*

Physical Description: Amorph. powder

UV: [neutral] $\lambda_{\max}$ 278 (log ϵ 3.81); 309 (log ϵ 3.55) (MeOH)

Other Data: Shows small negative opt. rotation

References:

Saitoh, T. *et al.*, *Chem. Pharm. Bull.*, 1978, **26**, 141; 144, (*isol, struct*)

Ingham, J.L. *et al.*, *Z. Naturforsch., C*, 1983, **38**, 194, (*isol*)

McKee, T.C. *et al.*, *J. Nat. Prod.*, 1997, **60**, 431, (*5-Deoxylicoisoflavanone*)