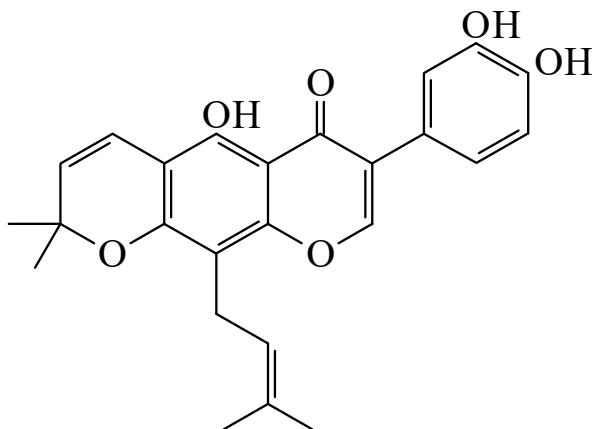




>>Entry Name: Auriculasin

Synonym(s): 7-(3,4-Dihydroxyphenyl)-5-hydroxy-2,2-dimethyl-10-(3-methyl-2-butenyl)-2*H*,6*H*-benzo[1,2-*b*:5,4-*b'*]dipyran-6-one. Cudraisoiflavone A



CAS Registry Number: 60297-37-2

Molecular Formula: C₂₅H₂₄O₆

Molecular Weight: 420.461

Accurate Mass: 420.15729

Percentage Composition: C 71.42%; H 5.75%; O 22.83%

Biological Source: Constit. of *Millettia auriculata*, *Cudrania cochinchinensis* and *Erythrina eriotriocho*

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 176-178°

UV: [neutral] λ_{max} 204 (ε 4850); 290 (ε 69000) (MeOH) (Berdy) [neutral] λ_{max} 202 (ε 87000); 224 (ε 18200); 290 (ε 85500) (EtOH) (Berdy)

>>Derivative: Tri-Ac

CAS Registry Number: 60297-40-7

Molecular Formula: C₃₁H₃₀O₉

Molecular Weight: 546.573

Percentage Composition: C 68.12%; H 5.53%; O 26.35%

Melting Point: Mp 174-176°

>>Derivative: Tri-Me ether

CAS Registry Number: 60297-39-4

Molecular Formula: C₂₈H₃₀O₆

Molecular Weight: 462.541

Percentage Composition: C 72.71%; H 6.54%; O 20.75%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 120-121°

References:

Kapoor, S.K. *et al.*, *Tetrahedron*, 1976, **32**, 749, (*isol, struct*)

Gupta, R.C. *et al.*, *J.O.C.*, 1978, **43**, 3446, (*synth*)

Barua, P. *et al.*, *Tet. Lett.*, 1983, **24**, 5801, (*synth*)

Sun, N.-J. *et al.*, *Phytochemistry*, 1988, **27**, 951, (*isol*)

Nkengfack, A.E. *et al.*, *Phytochemistry*, 1989, **28**, 2522, (*isol, pmr, cmr*)