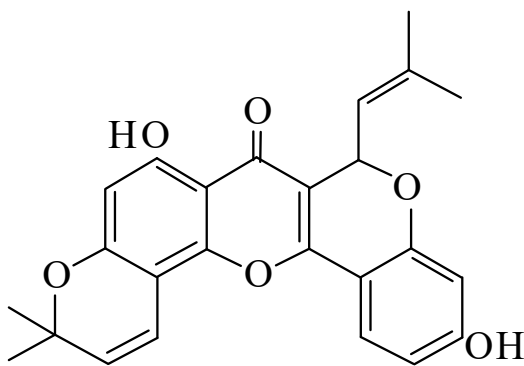




>>Entry Name: Cyclomorusin

Synonym(s): 6,11-Dihydroxy-3,3-dimethyl-8-(2-methyl-1-propenyl)-3*H*,7*H*,8*H*-bis[1]benzopyrano[4,3-*b*:6',5'-*e*]pyran-7-one, 9Cl. Cyclomulberrochromene



CAS Registry Number: 62596-34-3

Molecular Formula: C₂₅H₂₂O₆

Molecular Weight: 418.445

Accurate Mass: 418.14164

Percentage Composition: C 71.76%; H 5.30%; O 22.94%

Biological Source: Isol. from the root bark of *Morus alba*. Also from *Artocarpus altilis*

Physical Description: Pale yellow prisms (MeOH)

Melting Point: Mp 256-257° (233-234°)

Optical Rotation: $[\alpha]_{\text{D}}^{20} +20$ (c, 0.15 in MeOH)

UV: [neutral] λ_{max} 223 (ϵ 28300); 283 (ϵ 27000); 353 (ϵ 15400) (MeOH) (Berdy)

References:

- Deshpande, V.H. *et al.*, *Indian J. Chem.*, 1974, **12**, 431, (*isol*)
Nomura, T. *et al.*, *Chem. Pharm. Bull.*, 1976, **24**, 2898; 1978, **26**, 1394, (*isol*)
Nomura, T. *et al.*, *Heterocycles*, 1979, **12**, 1289, (*struct*)
Nomura, T. *et al.*, *Planta Med.*, 1983, **49**, 90, (*isol*)
Chen, C.-C. *et al.*, *J. Nat. Prod.*, 1993, **56**, 1594, (*isol*, *pmr*)
Lin, C.-N. *et al.*, *Phytochemistry*, 1996, **41**, 1215, (*cmr*)