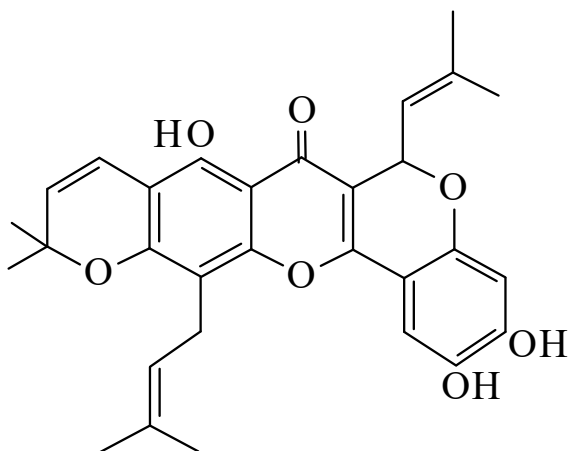




>>Entry Name: Cycloheterophyllin

Synonym(s): 2,3,8-Trihydroxy-11,11-dimethyl-13-(3-methyl-2-butenyl)-6-(2-methyl-1-propenyl)-6*H*,7*H*,11*H*-bis[1]benzopyrano[4,3-*b*:6',7'-*e*]pyran-7-one, 9Cl



CAS Registry Number: 36545-53-6

Related CAS Registry Numbers(s): 34144-07-5

Molecular Formula: C₃₀H₃₀O₇

Molecular Weight: 502.563

Accurate Mass: 502.199155

Percentage Composition: C 71.70%; H 6.02%; O 22.28%

Biological Source: Isol. from bark of *Artocarpus heterophyllus*

Physical Description: Yellow cryst. (MeOH)

Melting Point: Mp 205-206°

UV: [neutral] $\lambda_{\max}$ 206 (); 239 (); 295 (); 384 () (MeOH) (Berdy)

>>Derivative: Tri-Me ether

CAS Registry Number: 34144-08-6

Molecular Formula: C₃₃H₃₆O₇

Molecular Weight: 544.643

Percentage Composition: C 72.77%; H 6.66%; O 20.56%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 168-169°

Optical Rotation: [α]_D +20 (c, 1.0 in CHCl₃)

>>Derivative: 2-Deoxy

Synonym(s): Artelastochromene

CAS Registry Number: 182052-09-1

Molecular Formula: C₃₀H₃₀O₆

Molecular Weight: 486.563

Accurate Mass: 486.20424

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

Biological Source: Constit. of *Artocarpus elasticus*

Physical Description: Yellow solid

Melting Point: Mp 238-240°

UV: [neutral] $\lambda_{\max}$ 202 (log ϵ 5.2); 296 (log ϵ 4.3); 375 (log ϵ 4.02) (MeOH)

References:

Rao, A.V.R. *et al.*, *Indian J. Chem.*, 1971, **9**, 7, (*isol*)

Parthasarathy, M.R. *et al.*, *Phytochemistry*, 1979, **18**, 506, (*cmr*)

Kijjoo, A. *et al.*, *Phytochemistry*, 1996, **43**, 691-694, (*Artelastochromene*)