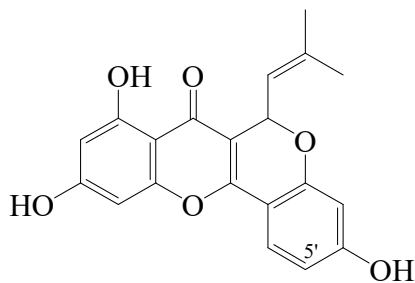




>>Entry Name: Cyclocommunol

Synonym(s): 3,8,10-Trihydroxy-6-(2-methyl-1-propenyl)-6*H*,7*H*-[1]benzopyrano[4,3-*b*]benzopyran-7-one, 9CI



CAS Registry Number: 145643-96-5

Molecular Formula: C₂₀H₁₆O₆

Molecular Weight: 352.343

Accurate Mass: 352.09469

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

Biological Source: Isol. from the root bark of *Artocarpus communis*

Physical Description: Yellow powder (C₆H₆)

Melting Point: Mp 160-162°

>>Derivative: 5'-Hydroxy

Synonym(s): Cyclochampedol

CAS Registry Number: 180845-64-1

Molecular Formula: C₂₀H₁₆O₇

Molecular Weight: 368.342

Accurate Mass: 368.089605

Percentage Composition: C 65.22%; H 4.38%; O 30.41%

Biological Source: Constit. of the bark of *Artocarpus champeden*

Physical Description: Yellow cryst. (CHCl₃/MeOH)

Melting Point: Mp 205-206°

Optical Rotation: [α]_D²⁵+141.6 (c, 0.1 in MeOH)

UV: [neutral] $\lambda_{\max}$ 212 (log ϵ 4.64); 269 (log ϵ 4.42); 315 (sh) (log ϵ 3.98); 399 (log ϵ 4.29) (MeOH) [neutral] $\lambda_{\max}$ 269 (ϵ 26300); 315 (ϵ 9600); 399 (ϵ 19500) (MeOH) (Berdy) [base] $\lambda_{\max}$ 214 (ϵ 97770); 276 (ϵ 30900); 438 (ϵ 34670) (MeOH-NAOH) (Berdy)

References:

Lin, C.-N. *et al.*, *Phytochemistry*, 1992, **31**, 2922, (*isol*, *pmr*, *cmr*)

Achmad, S.A. *et al.*, *J. Nat. Prod.*, 1996, **59**, 878, (*Cyclochampedol*)