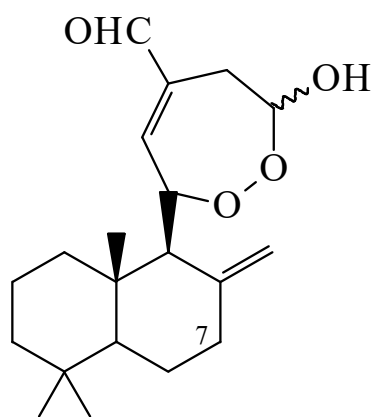




>>Entry Name: Coronarin B

Synonym(s): 11,15-Epidioxy-15-hydroxy-8(17),12-labdadien-16-al



CAS Registry Number: 119188-38-4

Molecular Formula: $C_{20}H_{30}O_4$

Molecular Weight: 334.455

Accurate Mass: 334.21441

Percentage Composition: C 71.82%; H 9.04%; O 19.13%

Biological Source: Constit. of *Hedychium coronarium*

Physical Description: Oil

Optical Rotation: $[\alpha]_D -43.1$ (c, 0.14 in $CHCl_3$)

Solubility: BERDY SOL: Sol. MeOH, C_6H_6 ; poorly sol. H_2O , hexane

UV: [neutral] λ_{max} 205 (ϵ 4700); 235 (ϵ 7800) (EtOH) (Berdy)

>>Derivative: 7 β -Hydroxy

Synonym(s): 11,15-Epidioxy-7,15-dihydroxy-8(17),12-labdadien-16-al. 7 β -Hydroxycoronarin B

CAS Registry Number: 160598-93-6

Molecular Formula: $C_{20}H_{30}O_5$

Molecular Weight: 350.454

Accurate Mass: 350.209325

Percentage Composition: C 68.55%; H 8.63%; O 22.83%

Biological Source: Constit. of *Hedychium coronarium*

Physical Description: Oil

Optical Rotation: $[\alpha]_D^{22} -26.5$ (c, 0.79 in $CHCl_3$)

References:

Itokawa, H. *et al.*, *Planta Med.*, 1988, **54**, 311, (*isol*, *pmr*, *cmr*)

Nakatani, N. *et al.*, *Phytochemistry*, 1994, **37**, 1383-1388, (*deriv*)