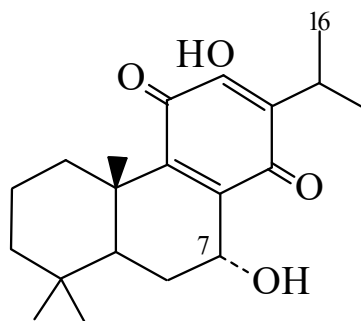




>>Entry Name: 7,12-Dihydroxy-8,12-abietadiene-11,14-dione

Synonym(s): 7-Hydroxyroyleanone



Molecular Formula: C₂₀H₂₈O₄

Molecular Weight: 332.439

Accurate Mass: 332.19876

Percentage Composition: C 72.26%; H 8.49%; O 19.25%

>>Variant: 7 α -form

Synonym(s): Horminone

CAS Registry Number: 21887-01-4

Molecular Formula: C₂₀H₂₈O₄

Molecular Weight: 332.439

Accurate Mass: 332.19876

Percentage Composition: C 72.26%; H 8.49%; O 19.25%

Biological Source: Constit. of *Plectranthus* spp.

Physical Description: Golden cryst. (MeOH aq.)

Melting Point: Mp 178°

Optical Rotation: [α]_D -132 (c, 1.24 in CHCl₃)

Solubility: BERDY SOL: Sol. MeOH

UV: [base] $\lambda_{\max}$ 274 (ϵ); 524 (ϵ) (EtOH/NaOH) (Derep) [neutral] $\lambda_{\max}$ 271 (ϵ); 411 (ϵ) (EtOH) (Derep) [neutral] $\lambda_{\max}$ 226 (ϵ 11670); 273 (ϵ 11117); 277 (); 408 (ϵ 710); 410 () (MeOH) (Berdy) [neutral] $\lambda_{\max}$ 227 (ϵ 10500); 410 (ϵ 830) (EtOH) (Berdy)

>>Derivative: 7-Ac

Synonym(s): 7 α -Acetoxyroyleanone. 7-Acetylhorminone

CAS Registry Number: 6812-88-0

Molecular Formula: C₂₂H₃₀O₅

Molecular Weight: 374.476

Accurate Mass: 374.209325

Percentage Composition: C 70.56%; H 8.07%; O 21.36%

Biological Source: Isol. from whole plants of *Horminum pyrenaicum*, roots of *Salvia* spp. and leaf glands of *Coleus carnosus*

Physical Description: Yellow cryst.

Melting Point: Mp 195-198°

>>Derivative: 7-Formyl

Synonym(s): 7-*O*-Formylhorminone

Molecular Formula: C₂₁H₂₈O₅

Molecular Weight: 360.449

Accurate Mass: 360.193675

Percentage Composition: C 69.98%; H 7.83%; O 22.19%

Biological Source: Constit. of *Plectranthus sanguineus*

Physical Description: Yellow-orange cryst. (hexane)

Melting Point: Mp 152.5-154°