



UV: [base] $\lambda_{\max}$ 274 (ϵ); 524 (ϵ) (EtOH/NaOH) (Derep) [neutral] $\lambda_{\max}$ 271 (ϵ); 411 (ϵ) (EtOH) (Derep) [neutral] $\lambda_{\max}$ 271 (); 411 () (EtOH) (Berdy) [base] $\lambda_{\max}$ 274 (); 524 () (EtOH-NaOH) (Berdy)

>>**Derivative:** 16-Acetoxy, 12-Ac

Synonym(s): 16-Acetoxy-12-*O*-acetylhorminone

Molecular Formula: C₂₄H₃₂O₇

Molecular Weight: 432.513

Accurate Mass: 432.214805

Percentage Composition: C 66.65%; H 7.46%; O 25.89%

Biological Source: Constit. of *Rosmarinus lophanthoides*

Physical Description: Yellow needles

Melting Point: Mp 158°

>>**Derivative:** 12-Me ether

Synonym(s): 12-*O*-Methylhorminone

Molecular Formula: C₂₁H₃₀O₄

Molecular Weight: 346.466

Accurate Mass: 346.21441

Percentage Composition: C 72.80%; H 8.73%; O 18.47%

Biological Source: Constit. of *Meriandra benghalensis*

Physical Description: Yellow needles (hexane)

Melting Point: Mp 135-137°

Optical Rotation: $[\alpha]_{\text{D}}^{18}$ -305 (c, 0.199 in CHCl₃)

>>**Variant:** 7 β -form

Synonym(s): Taxoquinone

CAS Registry Number: 21764-41-0

Molecular Formula: C₂₀H₂₈O₄

Molecular Weight: 332.439

Accurate Mass: 332.19876

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

Biological Source: Isol. from *Taxodium distichum*

Melting Point: Mp 214°

Optical Rotation: $[\alpha]_{\text{D}}^{25}$ +240 (c, 1.4 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 277 (ϵ 12000); 408 (ϵ 800) (MeOH) (Derep)

References:

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Jonathan, L.T. *et al.*, *J. Nat. Prod.*, 1989, **52**, 571, (*isol, deriv, pmr, cmr*)
De La Torre, M.C. *et al.*, *Phytochemistry*, 1992, **31**, 3953, (*12-O-Methylhorminone*)