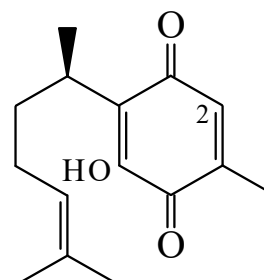




>>Entry Name: 5-Hydroxy-2,5,10-bisabolatriene-1,4-dione



Related CAS Registry Numbers(s): 78964-28-0 100761-40-8

Molecular Formula: C₁₅H₂₀O₃

Molecular Weight: 248.321

Accurate Mass: 248.141245

Percentage Composition: C 72.55%; H 8.12%; O 19.33%

Use/Importance: Possesses laxative props.

Calculated Log P Data: Log P 3.77 (calc)

>>Variant: (R)-form

Synonym(s): Perezone. Pipitzahoic acid

CAS Registry Number: 3600-95-1

Molecular Formula: C₁₅H₂₀O₃

Molecular Weight: 248.321

Accurate Mass: 248.141245

Percentage Composition: C 72.55%; H 8.12%; O 19.33%

Biological Source: Constit. of *Trixis piptzhuac*, *Perezia* spp., *Acourtia thurberi*, *Jungia spectabilis*, *Jungia malvaefolia*, *Coreopsis mitica* and *Bidens andicola* (sometimes as isovalerate or angelate)

Physical Description: Golden-yellow leaflets (H₂O)

Melting Point: Mp 104-106°

Optical Rotation: [α]_D²⁰ -17 (Et₂O)

Other Data: Pharmacol. active isomer

>>Derivative: Me ether

CAS Registry Number: 33418-02-9

Molecular Formula: C₁₆H₂₂O₃

Molecular Weight: 262.348

Accurate Mass: 262.156895

Percentage Composition: C 73.25%; H 8.45%; O 18.30%

Biological Source: Constit. of *Coreopsis* spp.

Physical Description: Yellow oil

>>Derivative: 5-Deoxy

Synonym(s): 2,5,10-Bisabolatriene-1,4-dione. **Curcuquinone.** 6-Deoxyperezone

CAS Registry Number: 69301-26-4

Molecular Formula: C₁₅H₂₀O₂

Molecular Weight: 232.322

Accurate Mass: 232.14633

Percentage Composition: C 77.55%; H 8.68%; O 13.77%

Biological Source: Constit. of *Wyethia helenioides*, *Bidens* spp. and the gorgonian *Pseudopterogorgia rigida*

Physical Description: Yellow oil

Optical Rotation: [α]_D²⁴ -33.5 (c, 0.93 in CHCl₃) (-1.3)

UV: [neutral] $\lambda_{\max}$ 253 (ϵ 10200) (MeOH) (Derep) [neutral] $\lambda_{\max}$ 205 (ϵ 6920); 253 (ϵ 10200) (MeOH) (Berdy)