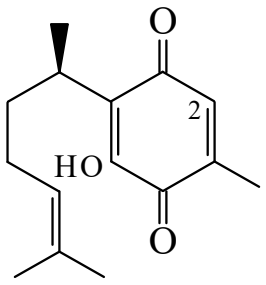
>>**Entry Name: 5-Hydroxy-2,5,10-bisabolatriene-1,4-dione**



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

Molecular Formula: $C_{15}H_{20}O_3$
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: $C_{15}H_{20}O_3$
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 (H_2O)
Melting Point: Mp 104-106°
Optical Rotation: $[\alpha]_D^{20}$–17 (Et_2O)
Other Data: Pharmacol. active isomer

>>**Derivative:** Me ether

CAS Registry Number: 33418-02-9

Molecular Formula: $C_{16}H_{22}O_3$
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: $C_{15}H_{20}O_2$
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: $[\alpha]_D^{24}$–33.5 (c, 0.93 in $CHCl_3$) (–1.3)
UV: [neutral] λ_{max} 253 (ε 10200) (MeOH) (Derep) [neutral] λ_{max} 205 (ε 6920); 253 (ε 10200) (MeOH) (Berdy)

https://www.baizuoyan.com - CopyRight ©baizuoyan