



Biological Source: Isol. from *Pteronia* spp.

Physical Description: Cryst. (EtOH)

Melting Point: Mp 62-63°

>>**Derivative:** Di-Me ether, oxime

Molecular Formula: C₁₁H₁₅NO₃

Molecular Weight: 209.244

Accurate Mass: 209.105194

Percentage Composition: C 63.14%; H 7.23%; N 6.69%; O 22.94%

Physical Description: Needles (petrol)

Melting Point: Mp 63-65°

>>**Derivative:** Di-Me ether, semicarbazone

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 190-192°

>>**Derivative:** Methylene ether

Synonym(s): 1-(1,3-Benzodioxol-5-yl)-1-propanone, 9Cl. 3',4'-Methylenedioxypropiophenone, 8Cl. 1-(3,4-Methylenedioxyphenyl)-1-propanone. Ethyl piperonyl ketone. Propiopiperone

CAS Registry Number: 28281-49-4

Type of Compound Code(s): VG0060 VG0035

Molecular Formula: C₁₀H₁₀O₃

Molecular Weight: 178.187

Accurate Mass: 178.062995

Percentage Composition: C 67.41%; H 5.66%; O 26.94%

Biological Source: Constit. of *Piper marginatum*

Physical Description: Needles

Melting Point: Mp 39°

Boiling Point: Bp₁₃ 153-154°

References:

Buu-Hoï, Ng.Ph. *et al.*, *J.O.C.*, 1961, **26**, 2401

La Manna, A. *et al.*, *Farmaco, Ed. Sci.*, 1967, **22**, 667, (*synth*)

Bohlmann, F., *Chem. Ber.*, 1973, **106**, 379, (*Lepidophorone*)

Biftu, T. *et al.*, *J.C.S. Perkin 1*, 1978, 1147-1150, (*synth, methylene ether*)

Diaz, A.M. *et al.*, *Planta Med.*, 1979, **35**, 190-191, (*isol, methylene ether*)

Kong, L.Y. *et al.*, *Yaoxue Xuebao*, 1994, **29**, 276-280, (*Baihuaqianhuoside*)

Kitajima, J. *et al.*, *Chem. Pharm. Bull.*, 1998, **46**, 1939-1940, (*Baihuaqianhuoside*)