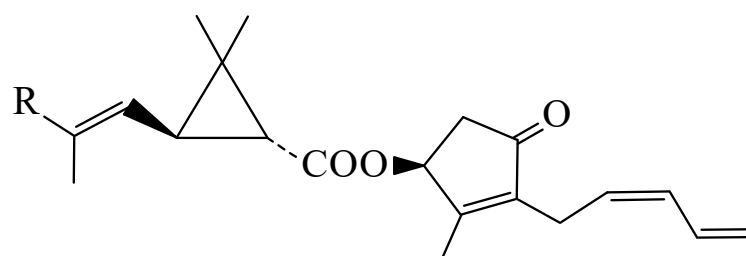




>>Entry Name: Pyrethrin II



R = COOMe

Absolute
configuration

CAS Registry Number: 121-29-9

Molecular Formula: C₂₂H₂₈O₅

Molecular Weight: 372.46

Accurate Mass: 372.193675

Percentage Composition: C 70.95%; H 7.58%; O 21.48%

Biological Source: Constit. of pyrethrum flowers (*Chrysanthemum cinerariaefolium*)

Use/Importance: Natural insecticide

Physical Description: Oil

Boiling Point: Bp_{0.007} 192-193°

Optical Rotation: [α]_D¹⁹ +14.7 (2,2,3-trimethylpentane/Et₂O)

Hazard & Toxicity: Occup. exposure to pyrethroids can cause paresthesia and respiratory irritation

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Cryst.

Melting Point: Mp 65-66°

>>Derivative: 4',5'-Dihydro

Synonym(s): Jasmolin II

CAS Registry Number: 1172-63-0

Molecular Formula: C₂₂H₃₀O₅

Molecular Weight: 374.476

Accurate Mass: 374.209325

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

Biological Source: Minor constit. of flowers of *Chrysanthemum cinerariaefolium*

References:

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Godin, P.J. *et al.*, *J.C.S.(C)*, 1966, 332, (*isol, struct, deriv*)

Bramwell, A.F. *et al.*, *Tetrahedron*, 1969, **25**, 1727, (*pmr*)

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