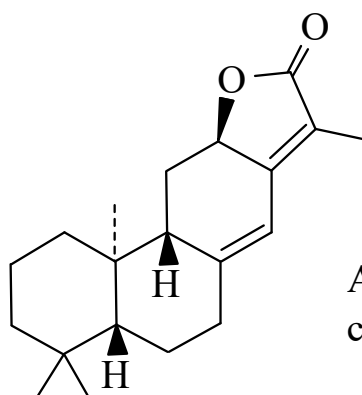




>>Entry Name: Jolkinolide E

Synonym(s): 8(14),13(15)-Abietadien-16,12-olide



Absolute
configuration

CAS Registry Number: 54494-34-7

Molecular Formula: $C_{20}H_{28}O_2$

Molecular Weight: 300.44

Accurate Mass: 300.20893

Percentage Composition: C 79.96%; H 9.39%; O 10.65%

Biological Source: Constit. of *Euphorbia jolkini*

Physical Description: Cryst.

Melting Point: Mp 182-183°

Optical Rotation: $[\alpha]_D^{20} +340$ (c, 0.45 in $CHCl_3$)

UV: [neutral] λ_{max} 277 (log ϵ 4.25) (MeOH)

>>Derivative: 2-Oxo

Synonym(s): 2-Oxo-8(14),13(15)-abietadien-16,12-olide. Helioscopinolide F

CAS Registry Number: 178451-14-4

Molecular Formula: $C_{20}H_{26}O_3$

Molecular Weight: 314.424

Accurate Mass: 314.188195

Percentage Composition: C 76.40%; H 8.33%; O 15.27%

Biological Source: Constit. of *Euphorbia calyptrata*

Physical Description: Amorph. powder

UV: [neutral] λ_{max} 276 (log ϵ 4.29) (MeOH)

References:

Uemura, D. *et al.*, *Chem. Lett.*, 1974, 819, (*isol, struct*)

Katsumura, S. *et al.*, *Chem. Lett.*, 1982, 1689, (*synth*)

Nakano, T. *et al.*, *J. Chem. Res., Synop.*, 1985, 268, (*synth, abs config*)

Lal, A.R. *et al.*, *Phytochemistry*, 1990, **29**, 2239, (*isol, pmr, cmr, cryst struct*)

Crespi-Perellino, N. *et al.*, *J. Nat. Prod.*, 1996, **59**, 773, (*isol, pmr, cmr*)