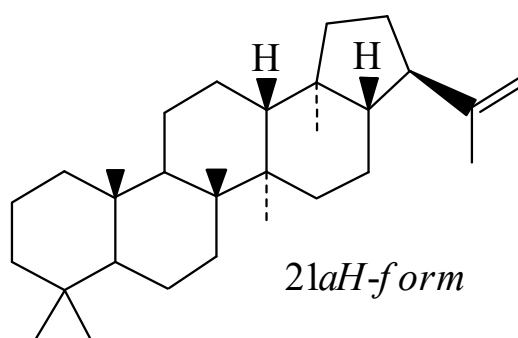




>>Entry Name: 22(29)-Hopene



Related CAS Registry Numbers(s): 33323-60-3

Molecular Formula: C₃₀H₅₀

Molecular Weight: 410.725

Accurate Mass: 410.39125

Percentage Composition: C 87.73%; H 12.27%

>>Variant: 21 α H-form

Synonym(s): 22(29)-Isohopene

CAS Registry Number: 1812-64-2

Molecular Formula: C₃₀H₅₀

Molecular Weight: 410.725

Accurate Mass: 410.39125

Percentage Composition: C 87.73%; H 12.27%

Biological Source: Isol. from *Davallia mariesii*

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 212-214°

Optical Rotation: [α]_D²³+27.1 (CHCl₃)

>>Variant: 21 β H-form

Synonym(s): Diploptene. Hopene B

CAS Registry Number: 1615-91-4

Molecular Formula: C₃₀H₅₀

Molecular Weight: 410.725

Accurate Mass: 410.39125

Percentage Composition: C 87.73%; H 12.27%

Biological Source: Constit. of *Dryopteris crassirhizoma* and *Adiantum monochlamys*, present in ferns, mosses and sediments

Physical Description: Cryst.

Melting Point: Mp 210-211°

Optical Rotation: [α]_D+61 (CHCl₃)

References:

Ageta, H. *et al.*, *Chem. Pharm. Bull.*, 1963, **11**, 408; 1993, **41**, 1939, (*isol, pmr, cmr*)

Ageta, H. *et al.*, *Chem. Comm.*, 1968, 1372, (*struct*)

Corbett, R.E. *et al.*, *J.C.S.(C)*, 1971, 1885, (*synth*)

Seshadri, R. *et al.*, *Indian J. Chem.*, 1974, **12**, 283, (*isol*)

Wilkins, A.L. *et al.*, *Magn. Reson. Chem.*, 1987, **25**, 503, (*cmr*)

Shiojima, K. *et al.*, *Chem. Pharm. Bull.*, 1990, **38**, 347, (*22(29)-Isohopene*)

Arai, Y. *et al.*, *Chem. Pharm. Bull.*, 1994, **42**, 228, (*pmr, cmr*)