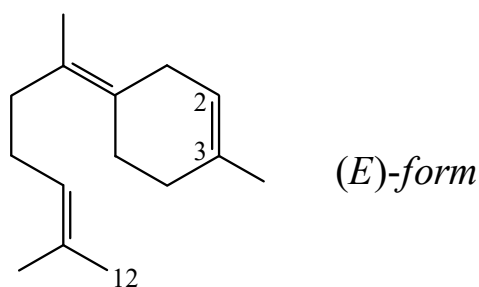




>>Entry Name: 2,6,10-Bisabolatriene

ENTRY UNDER REVIEW

Synonym(s): 4-(1,5-Dimethyl-4-hexenylidene)-1-methylcyclohexene, 9Cl. γ -Bisabolene. α -Bisabolene (obsol.) $\ddagger$



CAS Registry Number: 495-62-5

Molecular Formula: C₁₅H₂₄

Molecular Weight: 204.355

Accurate Mass: 204.1878

Percentage Composition: C 88.16%; H 11.84%

>>Variant: (E)-form

CAS Registry Number: 53585-13-0

Molecular Formula: C₁₅H₂₄

Molecular Weight: 204.355

Accurate Mass: 204.1878

Percentage Composition: C 88.16%; H 11.84%

Biological Source: Constit. of *Ayapana amygdalina* and a *Laurencia* sp.

Physical Description: Oil

Optical Rotation: $[\alpha]_D^{24} -18.8$ (c, 1 in CHCl₃)

>>Derivative: 2,3-Epoxyde

Synonym(s): 2,3-Epoxy-6,10-bisaboladien. γ -Bisabolene-2,3-epoxide

CAS Registry Number: 75744-73-9

Molecular Formula: C₁₅H₂₄O

Molecular Weight: 220.354

Accurate Mass: 220.182715

Percentage Composition: C 81.76%; H 10.98%; O 7.26%

Biological Source: Constit. of *Laurencia nipponica*

Physical Description: Oil

Optical Rotation: $[\alpha]_D +37.3$ (c, 2.2 in CHCl₃)

Other Data: Called γ -Bisabolene 8,9-epoxide in the reference

>>Derivative: 12-Hydroxy

Synonym(s): 2,6,10-Bisabolatrien-12-ol. 12-Hydroxy- γ -bisabolene

Molecular Formula: C₁₅H₂₄O

Molecular Weight: 220.354

Accurate Mass: 220.182715

Percentage Composition: C 81.76%; H 10.98%; O 7.26%

Biological Source: Isol. from a *Pseudopterogorgia* sp.

Physical Description: Oil

>>Variant: (Z)-form

CAS Registry Number: 13062-00-5

Molecular Formula: C₁₅H₂₄

Molecular Weight: 204.355

Accurate Mass: 204.1878

Percentage Composition: C 88.16%; H 11.84%

Biological Source: Constit. of oil of myrrh and oil of lime

Physical Description: Oil

References: