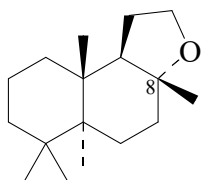




>>Entry Name: 8,12-Epoxy-13,14,15,16-tetranorlabdane

ENTRY UNDER REVIEW

Synonym(s): Dodecahydro-3*a*,6,6,9*a*-tetramethylnaphtho[2,1-*b*]furan, 9Cl. 1,1,4*a*,6-Tetramethyl-5-ethyl-6,5-oxidodecahydronaphthalene. Norlabdane oxide



8 α -form

Molecular Formula: C₁₆H₂₈O

Molecular Weight: 236.397

Accurate Mass: 236.214015

Percentage Composition: C 81.29%; H 11.94%; O 6.77%

General Statement: Terpenoid numbering shown

>>Variant: 8 α -form

Synonym(s): **Ambrox.** Bicyclofarnesyl epoxide. Ambronide. *n*-Epoxide. Amberlyn. Ambroxan. FEMA 3471

CAS Registry Number: 6790-58-5

Molecular Formula: C₁₆H₂₈O

Molecular Weight: 236.397

Accurate Mass: 236.214015

Percentage Composition: C 81.29%; H 11.94%; O 6.77%

Biological Source: Volatile constit. of Ambergris tincture. Obt. comly. by degradn. of natural 14-Labdene-8,13-diol [JNN95-Y](#)

Use/Importance: Important amber perfumery ingredient

Physical Description: Cryst. (petrol)

Melting Point: Mp 75-76°

Optical Rotation: [α]_D -25 (c, 1 in CHCl₃) (>99%ee)

Other Data: The (+)-enantiomer has a much weaker odour

Aldrich: W34710-8

>>Variant: 8 β -form

Synonym(s): Isoambrox. Isoepoxide

CAS Registry Number: 68365-88-8

Molecular Formula: C₁₆H₂₈O

Molecular Weight: 236.397

Accurate Mass: 236.214015

Percentage Composition: C 81.29%; H 11.94%; O 6.77%

Melting Point: Mp 60°

References: