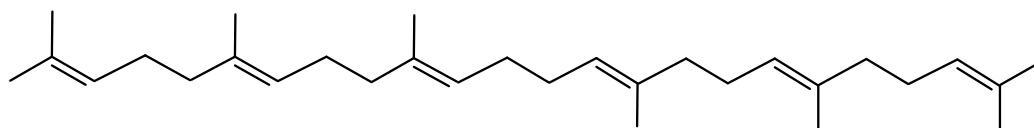




>>Entry Name: Squalene

ENTRY UNDER REVIEW

Synonym(s): 2,6,10,15,19,23-Hexamethyl-2,6,10,14,18,22-tetracosahexaene, 9Cl. Spinacene



CAS Registry Number: 7683-64-9

Molecular Formula: C₃₀H₅₀

Molecular Weight: 410.725

Accurate Mass: 410.39125

Percentage Composition: C 87.73%; H 12.27%

>>Variant: (All-*E*)-form

CAS Registry Number: 111-02-4

Molecular Formula: C₃₀H₅₀

Molecular Weight: 410.725

Accurate Mass: 410.39125

Percentage Composition: C 87.73%; H 12.27%

oedipus (cotton-top tamarin monkey) and *Saguinus fuscicollis* (saddle-back tamarin monkey). Component of adult human sebum principally responsible for the fixing of fingerprints

Physical Description: Oil

Melting Point: Mp -4.8°

Boiling Point: Bp₂₅ 284-285°

Solubility: Insol. H₂O; sl. sol. EtOH

Aldrich: 22316-6

Fluka: 85634

Sigma: S3626

Supelco: 44-2785

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 46A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 33B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 48A, (*ir*)

Johnson, W.S. *et al.*, *J.A.C.S.*, 1970, **92**, 741, (*synth*)

Bhalerao, U.T. *et al.*, *J.A.C.S.*, 1971, **93**, 531, (*synth*)

Biellmann, J.F. *et al.*, *Tetrahedron*, 1971, **27**, 5861, (*synth*)

Karrer, W. *et al.*, *Konstitution und Vorkommen der Organischen Pflanzenstoffe*, 2nd edn., Birkhäuser Verlag, Basel, 1972, no. 34, (*occur*)

Grieco, P.A. *et al.*, *J.O.C.*, 1974, **39**, 2135, (*synth*)

Suga, T. *et al.*, *Phytochemistry*, 1975, **14**, 2411, (*biosynth*)

v. Dommelen, M.E. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1975, **94**, 182, (*cmr*)

Johnson, W.S. *et al.*, *Angew. Chem., Int. Ed.*, 1976, **15**, 9, (*rev*)

Ernst, J. *et al.*, *Angew. Chem., Int. Ed.*, 1976, **15**, 778, (*cryst struct*)

Ernst, J. *et al.*, *Annalen*, 1979, 1635, (*cryst struct*)

Belcher, A. *et al.*, *J. Chem. Ecol.*, 1988, **14**, 1367

Nes, W.D. *et al.*, *Phytochemistry*, 1988, **27**, 628, (*biosynth*)

Nordstrom, K.M. *et al.*, *J. Chem. Ecol.*, 1989, **15**, 629