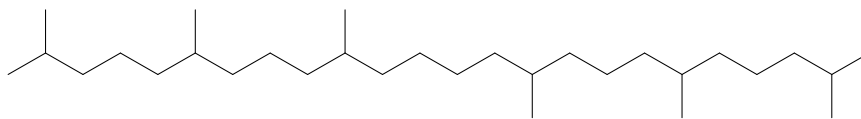




>>Entry Name: 2,6,10,15,19,23-Hexamethyltetracosane, 9CI

Synonym(s): Dodecahydrosqualene. Squalane



CAS Registry Number: 111-01-3

Molecular Formula: C₃₀H₆₂

Molecular Weight: 422.82

Accurate Mass: 422.48515

Percentage Composition: C 85.22%; H 14.78%

Boiling Point: Bp₁₀ 263°

Density: d₄¹⁵ 0.81

Refractive Index: n_D¹⁵ 1.4530

Other Data: Mol. refraction 136.2. Although very precise phys. props. are given in the lit., the compd. is potentially a mixt. of diastereoisomers

Aldrich: 23431-1

Sigma: S4510

Supelco: R47-5490

References:

Tsujimoto, M., *CA*, 1927, **21**, 4081⁶, (*props*)

Sax, K.J. *et al.*, *Anal. Chem.*, 1957, **29**, 1700-1702, (*synth, props*)

Japan. Pat., 1975, 75 96 502; 75 96 503; 1980, 80 27 889; *CA*, **84**, 44466v; 44467w; **94**, 65085s, (*synth*)

Brown, J.M. *et al.*, *Tetrahedron*, 1977, **33**, 931-935, (*cmr*)