



>>Entry Name: Triacontane

CAS Registry Number: 638-68-6

$\text{H}_3\text{C}(\text{CH}_2)_{28}\text{CH}_3$

Molecular Formula: $\text{C}_{30}\text{H}_{62}$

Molecular Weight: 422.82

Accurate Mass: 422.48515

Percentage Composition: C 85.22%; H 14.78%

Biological Source: Constit. of mineral oils and plant waxes

Physical Description: Cryst. ($\text{Et}_2\text{O}/\text{Me}_2\text{CO}$)

Melting Point: Mp 65.9°

Boiling Point: Bp 449.7°. Bp₃ 258.5°

Aldrich: 26384-2

Fluka: 90272

Sigma: T5008

Supelco: R42-1060

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 8A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 6C, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 8C, (*ir*)

Mazee, W.M., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1948, **67**, 197, (*synth*)

Karrer, W. *et al.*, *Konstitution und Vorkommen der Organischen Pflanzenstoffe*, 2nd edn., Birkhäuser Verlag, Basel, 1972, no. 17, (*occur*)

Piesczek, W. *et al.*, *Acta Cryst. B*, 1974, **30**, 1278, (*cryst struct*)