



>>Entry Name: Tricosane

CAS Registry Number: 638-67-5

$\text{H}_3\text{C}(\text{CH}_2)_{21}\text{CH}_3$

Molecular Formula: $\text{C}_{23}\text{H}_{48}$

Molecular Weight: 324.632

Accurate Mass: 324.3756

Percentage Composition: C 85.10%; H 14.90%

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 47.4°

Boiling Point: Bp 380.2°. Bp₃ 199.5°

Aldrich: 26385-0

Fluka: 91449

Sigma: T5133

Supelco: 44-2712

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 6C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 5C, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 6D, (*ir*)

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

Hunter, G.L.K. *et al.*, *Phytochemistry*, 1966, **5**, 807, (*isol*)

Carnduff, J. *et al.*, *Phytochemistry*, 1966, **5**, 1029, (*isol*)