



>>Entry Name: Nonacosane
ENTRY UNDER REVIEW

CAS Registry Number: 630-03-5

$\text{H}_3\text{C}(\text{CH}_2)_{27}\text{CH}_3$

Molecular Formula: $\text{C}_{29}\text{H}_{60}$

Molecular Weight: 408.793

Accurate Mass: 408.4695

Percentage Composition: C 85.21%; H 14.79%

Biological Source: Constit. of the leaves of *Brassica oleracea* (Brussels sprouts) and other plants.

Physical Description: Cryst. (petrol)

Melting Point: Mp 64°

Boiling Point: Bp₄₀ 346-348°. Bp_{0.05} 196-198°

Aldrich: 28424-6

Fluka: 74156

Sigma: N4254

References:

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

Gluud, W., *Ber.*, 1919, **52**, 1039, (*synth*)

Karrer, W. *et al.*, *Konstitution und Vorkommen der Organischen Pflanzenstoffe*, 2nd edn., Birkhäuser Verlag, Basel, 1972, no. 16, (*occur*)

Kami, T. *et al.*, *J. Agric. Food Chem.*, 1975, **23**, 795, (*glc, ms*)

Behari, M. *et al.*, *Curr. Sci.*, 1976, **45**, 481, (*isol*)

Ulubelen, L. *et al.*, *Planta Med.*, 1976, **29**, 258, (*isol*)

Koehlen, L. *et al.*, *Z. Pflanzenphysiol.*, 1976, **77**, 99, (*isol*)