



>>Entry Name: Nonadecane

ENTRY UNDER REVIEW

CAS Registry Number: 629-92-5

$\text{H}_3\text{C}(\text{CH}_2)_{17}\text{CH}_3$

Molecular Formula: $\text{C}_{19}\text{H}_{40}$

Molecular Weight: 268.525

Accurate Mass: 268.313

Percentage Composition: C 84.99%; H 15.01%

Biological Source: Isol. from apple wax, *Manilkara bidentata* and many other plant sources. Constit. of sex pheromone of female fall cankerworm *Alsophila pometaria*, male southern green stinkbug *Nezara viridula* and female tigermoth *Holomelina lamae*

Melting Point: Mp 32°

Boiling Point: Bp 330°. Bp₃₀ 212°

Hazard & Toxicity: Fl. p. >100°, autoignition temp. 230°

Aldrich: N2890-6

Fluka: 74160

Sigma: N4129

Supelco: R42-1019

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 5C, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 4D, (ir)

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Cocker, W. *et al.*, *J.C.S.*, 1963, 677, (isol)

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

Roelofs, W.L. *et al.*, *Science (Washington, D.C.)*, 1971, **171**, 684

Olf, H.G. *et al.*, *J. Chem. Phys.*, 1973, **59**, 534, (Raman)

Balinova-Tsvetkova, A. *et al.*, *Dokl. Skh. Akad. (Sofia)*, 1974, **7**, 45; *CA*, **83**, 32911c, (glc)

Wong, J.W. *et al.*, *J. Chem. Ecol.*, 1984, **10**, 463