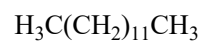




>>Entry Name: Tridecane
ENTRY UNDER REVIEW

CAS Registry Number: 629-50-5



Molecular Formula: $\text{C}_{13}\text{H}_{28}$

Molecular Weight: 184.364

Accurate Mass: 184.2191

Percentage Composition: C 84.69%; H 15.31%

Biological Source: Minor constit. of wood of *Manilkara bidentata*, also isol. from lime oil

Melting Point: Fp -5.5°

Boiling Point: Bp 234° . Bp₁₅ 114°

Hazard & Toxicity: LD₅₀ (mus, ivn) 1161 mg/kg

Aldrich: T5740-1

Fluka: 91490

Sigma: T4508

Supelco: 44-2713

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **1**, 3C, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 3B, (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 4B, (ir)

Vogel, A.I., *J.C.S.*, 1946, 13, (synth)

Kováts, E., *Helv. Chim. Acta*, 1963, **46**, 2705, (isol)

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

Ivanov, C. *et al.*, *CA*, 1972, **77**, 111474s, (isol, struct)

Critchley, B.R. *et al.*, *Bull. Entomol. Res.*, 1973, **63**, 1, (tox)

Clark, R.G. *et al.*, *J. Sci. Food Agric.*, 1976, **27**, 713, (glc, ms)

Tonelli, A.E., *Macromolecules*, 1976, **9**, 863

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, TJH500