



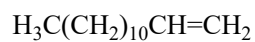
>>Entry Name: 1-Tridecene

ENTRY UNDER REVIEW

Synonym(s): 1-Tridecylene

CAS Registry Number: 2437-56-1

Extra CAS Registry Numbers(s): 25377-82-6



Molecular Formula: $\text{C}_{13}\text{H}_{26}$

Molecular Weight: 182.348

Accurate Mass: 182.20345

Percentage Composition: C 85.63%; H 14.37%

Biological Source: Constit. of *Centaurea solstitialis*, sea buckthorn fruit (*Hippophae rhamnoides*), coconut (*Cocos nucifera*) flesh and other plant spp.

Melting Point: Fp -13°

Boiling Point: Bp₁₀ 102-103°

Hazard & Toxicity: LD₅₀ (mus, orl) 10000 mg/kg

Aldrich: T5770-3

Fluka: 91578

Sigma: T4387

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 15B, (*ir*)

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **1**, 20B, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 20B, (*ir*)

Kozacik, A.P. *et al.*, *J.A.C.S.*, 1938, **60**, 2436, (*synth*)

Hoebold, W. *et al.*, *J. Prakt. Chem.*, 1975, **317**, 1054, (*cmr*)

Schmidt, A.W. *et al.*, *Chem. Ber.*, 1977, **74**, 1313, (*synth*)

Prevot, A. *et al.*, *Frying Food*, 1988, 155-165, (*detn in oils*)

Binder, R.G. *et al.*, *J. Agric. Food Chem.*, 1990, **38**, 764; 1245, (*isol*)