



>>Entry Name: 2,4,4-Trimethyl-1-pentene, 9CI, 8CI

Synonym(s): Diisobutylene

CAS Registry Number: 107-39-1

Related CAS Registry Numbers(s): 25167-70-8

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

Molecular Formula: C_8H_{16}

Molecular Weight: 112.214

Accurate Mass: 112.1252

Percentage Composition: C 85.63%; H 14.37%

Melting Point: Mp -93.6°

Boiling Point: Bp 101.2°

Density: d_4^{20} 0.72

Refractive Index: n_D^{20} 1.4080

Other Data: Resistant to homopolym.

Hazard & Toxicity: Highly flammable, fl. p. 2° (oc), autoignition temp. 305° . Eye irritant. High vapour conc. narcotic

Aldrich: 44301-8

Fluka: 92670

Supelco: 44-2297

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 32B, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 25D, (ir)

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Tongberg, C.O. *et al.*, *J.A.C.S.*, 1932, **54**, 3706, (synth)

Brown, H.C. *et al.*, *J.A.C.S.*, 1956, **78**, 2193, (synth)

Couperus, P.A. *et al.*, *Org. Magn. Reson.*, 1976, **8**, 426, (cmr)

Hasegawa, H. *et al.*, *J. Appl. Polym. Sci.*, 1982, **27**, 171, (oligomerisation)

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