



>>Entry Name: 4-Nonene, 9CI

Synonym(s): 4-Nonylene

CAS Registry Number: 2198-23-4

Extra CAS Registry Numbers(s): 27215-95-8

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

Molecular Formula: C_9H_{18}

Molecular Weight: 126.241

Accurate Mass: 126.14085

Percentage Composition: C 85.63%; H 14.37%

Aldrich: 41835-8

Fluka: 74360

>>Variant: (E)-form

CAS Registry Number: 10405-85-3

Molecular Formula: C_9H_{18}

Molecular Weight: 126.241

Accurate Mass: 126.14085

Percentage Composition: C 85.63%; H 14.37%

Physical Description: Liq.

Boiling Point: Bp 146.9°. Bp₂₀₀ 103.9°

>>Variant: (Z)-form

CAS Registry Number: 10405-84-2

Molecular Formula: C_9H_{18}

Molecular Weight: 126.241

Accurate Mass: 126.14085

Percentage Composition: C 85.63%; H 14.37%

Physical Description: Liq.

Boiling Point: Bp 147.8°. Bp₂₀₀ 103.2°

References:

- Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **1**, 20A, (ir)
Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 27C, (nmr)
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 26D, (ir)
Villieras, J., *Bull. Soc. Chim. Fr.*, 1967, 1511, (synth, ir)
Nagendrappa, G. *et al.*, *J.O.C.*, 1970, **35**, 347, (synth)
Katz, J.J. *et al.*, *J.O.C.*, 1974, **39**, 2817, (synth)
Mikhel'son, V.M. *et al.*, *Monatsh. Chem.*, 1974, **105**, 1379, (props)
Kolondo, K.J. *et al.*, *J.O.C.*, 1978, **43**, 1404, (synth, ir, ms, pmr)
Muurisepp, A. *et al.*, *Zh. Org. Khim.*, 1978, **14**, 2017, (ms)
Kirsch, A. *et al.*, *J. Prakt. Chem.*, 1998, **340**, 129-134, (synth)
Wang, Q. *et al.*, *Eur. J. Org. Chem.*, 1999, 3263-3268, (synth, pmr)