>>**Entry Name: 2-Heptene,** 9CI
Synonym(s): 2-Heptylene

CAS Registry Number: 592-77-8
$H_3C(CH_2)_3CH=CHCH_3$

Molecular Formula: C_7H_{14}
Molecular Weight: 98.188
Accurate Mass: 98.10955
Percentage Composition: C 85.63%; H 14.37%
Hazard & Toxicity: Highly flammable, fl. p. <–1°

>>**Variant:** (*E*)-form

CAS Registry Number: 14686-13-6
Molecular Formula: C_7H_{14}
Molecular Weight: 98.188
Accurate Mass: 98.10955
Percentage Composition: C 85.63%; H 14.37%
Boiling Point: Bp 98°
Refractive Index: n_D^{23} 1.4040
Aldrich: H341-0
Fluka: 51880

>>**Variant:** (*Z*)-form

CAS Registry Number: 6443-92-1
Molecular Formula: C_7H_{14}
Molecular Weight: 98.188
Accurate Mass: 98.10955
Percentage Composition: C 85.63%; H 14.37%
Boiling Point: Bp 98-99°
Refractive Index: n_D^{20} 1.4070
Aldrich: 26894-1
Sigma: H7012

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 25A; 25B, *(nmr)*
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 18B, *(ir)*
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 24C; 24D
Julia, M. *et al.*, *Tet. Lett.*, 1973, 4833
Matteson, D.S. *et al.*, *J. Organomet. Chem.*, 1976, **110**, 25
Savoia, D. *et al.*, *J.C.S. Perkin 1*, 1977, 123
Lewis, R.J.*, Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold*, 1992, HBJ500