



>>Entry Name: 2-Undecen-1-ol

CAS Registry Number: 37617-03-1

$\text{H}_3\text{C}(\text{CH}_2)_7\text{CH}=\text{CHCH}_2\text{OH}$

Molecular Formula: $\text{C}_{11}\text{H}_{22}\text{O}$

Molecular Weight: 170.294

Accurate Mass: 170.167065

Percentage Composition: C 77.58%; H 13.02%; O 9.40%

>>Variant: (E)-form

CAS Registry Number: 75039-84-8

Molecular Formula: $\text{C}_{11}\text{H}_{22}\text{O}$

Molecular Weight: 170.294

Accurate Mass: 170.167065

Percentage Composition: C 77.58%; H 13.02%; O 9.40%

Physical Description: Liq.

Boiling Point: Bp_1 98°

>>Variant: (Z)-form

CAS Registry Number: 75039-83-7

Molecular Formula: $\text{C}_{11}\text{H}_{22}\text{O}$

Molecular Weight: 170.294

Accurate Mass: 170.167065

Percentage Composition: C 77.58%; H 13.02%; O 9.40%

Physical Description: Liq.

Boiling Point: Bp_1 78-80°

Refractive Index: n_D^{20} 1.4529

>>Derivative: Me ether

Synonym(s): 1-Methoxy-2-undecene, 9CI

CAS Registry Number: 100924-61-6

Molecular Formula: $\text{C}_{12}\text{H}_{24}\text{O}$

Molecular Weight: 184.321

Accurate Mass: 184.182715

Percentage Composition: C 78.20%; H 13.12%; O 8.68%

Physical Description: Liq.

Boiling Point: Bp_4 60-62°

Refractive Index: n_D^{20} 1.4391

References:

Spur, B. *et al.*, *Arch. Pharm. (Weinheim, Ger.)*, 1985, **318**, 225-228, (*Z*-form, synth)

Vig, O.P. *et al.*, *Indian J. Chem., Sect. B*, 1985, **24**, 771-772, (*Z*-form, synth, ir, pmr)

Andreeva, N.I. *et al.*, *Zh. Obshch. Khim.*, 1985, **55**, 1316-1323; *J. Gen. Chem. USSR (Engl. Transl.)*, 1985, **55**, 1176-1182, (*Z*-form, synth, Me ether, ir, pmr)

Aerssens, M.H.P.J. *et al.*, *Synth. Commun.*, 1990, **20**, 3421-3425, (*Z*-form, synth)

Zhang, Z.-B. *et al.*, *J.C.S. Perkin I*, 2000, 53-57, (*E*-form, synth, ir, pmr)

Kobayashi, Y. *et al.*, *Eur. J. Org. Chem.*, 2001, 1873-1881, (*E*-form, synth, cmr)