



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

Related CAS Registry Numbers(s): 22104-79-6

$\text{H}_3\text{C}(\text{CH}_2)_5\text{CH}=\text{CHCH}_2\text{OH}$

Molecular Formula: $\text{C}_9\text{H}_{18}\text{O}$

Molecular Weight: 142.241

Accurate Mass: 142.135765

Percentage Composition: C 76.00%; H 12.75%; O 11.25%

Use/Importance: Used in food flavouring

Other: PB N13815

>>Variant: (*E*)-form

CAS Registry Number: 31502-14-4

Molecular Formula: $\text{C}_9\text{H}_{18}\text{O}$

Molecular Weight: 142.241

Accurate Mass: 142.135765

Percentage Composition: C 76.00%; H 12.75%; O 11.25%

Boiling Point: $\text{Bp}_{0.6}$ 68-73°

Density: d_4^{15} 0.85

Refractive Index: n_D^{25} 1.4418

>>Variant: (*Z*)-form

CAS Registry Number: 41453-56-9

Molecular Formula: $\text{C}_9\text{H}_{18}\text{O}$

Molecular Weight: 142.241

Accurate Mass: 142.135765

Percentage Composition: C 76.00%; H 12.75%; O 11.25%

Boiling Point: Bp_{20} 106°

Aldrich: W37200-5

References:

Zolvist, F. *et al.*, *Helv. Chim. Acta*, 1952, **35**, 2380, (*deriv*, *E*-form)

Jacobson, M. *et al.*, *J. Med. Chem.*, 1971, **14**, 236, (*synth*, *E*-form)

Kitching, W. *et al.*, *J.O.C.*, 1989, **54**, 3893, (*pmr*, *cmr*, *ms*, *E*-form)

Daeuble, J.F. *et al.*, *Tet. Lett.*, 1990, **31**, 2397, (*synth*, *Z*-form)

Subbaraman, A.S. *et al.*, *Indian J. Chem., Sect. B*, 1991, **30**, 511, (*synth*, *ir*, *pmr*, *Z*-form)

Zhang, Z.-B. *et al.*, *J.C.S. Perkin 1*, 2000, 53-57, (*E*-form, *synth*)