



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

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

H3C(CH2)5CH=CHCH2OH

Molecular Formula: C₉H₁₈O

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: C₉H₁₈O

Molecular Weight: 142.241

Accurate Mass: 142.135765

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

Boiling Point: Bp_{0.6} 68-73°

Density: d₄¹⁵ 0.85

Refractive Index: n_D²⁵ 1.4418

>>Variant: (*Z*)-form

CAS Registry Number: 41453-56-9

Molecular Formula: C₉H₁₈O

Molecular Weight: 142.241

Accurate Mass: 142.135765

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

Boiling Point: Bp₂₀ 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*)