



>>Entry Name: 6-Nonen-1-ol

ENTRY UNDER REVIEW

$\text{H}_3\text{CCH}_2\text{CH}=\text{CH}(\text{CH}_2)_4\text{CH}_2\text{OH}$

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: Sex pheromone of the Mediterranean fruit fly *Ceratitus capitata*

Physical Description: Liq.

>>Variant: (E)-form

CAS Registry Number: 31502-19-9

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: $\text{Bp}_{0.1}$ 75-80°

>>Derivative: Ac

CAS Registry Number: 30412-53-4

Molecular Formula: $\text{C}_{11}\text{H}_{20}\text{O}_2$

Molecular Weight: 184.278

Accurate Mass: 184.14633

Percentage Composition: C 71.70%; H 10.94%; O 17.36%

Boiling Point: Bp_3 89-90°

>>Variant: (Z)-form

Synonym(s): FEMA 3465

CAS Registry Number: 35854-86-5

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%

Biological Source: Present in melon (*Cocomis melo*)

Physical Description: Liq.

Aldrich: W34650-0

References:

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

Scholz, D., *Annalen*, 1983, 98, (*synth*)

Buss, A.D. *et al.*, *J.C.S. Perkin 1*, 1987, 2569, (*synth*, *ir*, *pmr*, *ms*)

Brown, H.C. *et al.*, *J.O.C.*, 1988, **53**, 246, (*synth*, *ir*, *pmr*, *cmr*)

Ayrey, P.M. *et al.*, *J.C.S. Perkin 1*, 1992, 3407, (*synth*, *ir*, *pmr*)

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