



>>Entry Name: 8-Dodecen-1-ol

$\text{H}_3\text{CCH}_2\text{CH}_2\text{CH}=\text{CH}(\text{CH}_2)_6\text{CH}_2\text{OH}$

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%

>>Variant: (E)-form

CAS Registry Number: 42513-42-8

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%

>>Derivative: Ac

CAS Registry Number: 38363-29-0

Molecular Formula: $\text{C}_{14}\text{H}_{26}\text{O}_2$

Molecular Weight: 226.358

Accurate Mass: 226.19328

Percentage Composition: C 74.29%; H 11.58%; O 14.14%

Boiling Point: $\text{Bp}_{0.05}$ 78-82°

>>Variant: (Z)-form

CAS Registry Number: 40642-40-8

Type of Compound Code(s): VA0420

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%

Biological Source: Pheromone component of the Oriental fruit moth *Grapholitha molesta* and several other insect spp.

Boiling Point: $\text{Bp}_{1.1}$ 99-100°

>>Derivative: Ac

Synonym(s): Orfamone. Orfralure. Funemone

CAS Registry Number: 28079-04-1

Type of Compound Code(s): VA0450

Molecular Formula: $\text{C}_{14}\text{H}_{26}\text{O}_2$

Molecular Weight: 226.358

Accurate Mass: 226.19328

Percentage Composition: C 74.29%; H 11.58%; O 14.14%

Biological Source: Pheromone component for *Grapholitha molesta*

Boiling Point: $\text{Bp}_{1.2}$ 97-98°

Sigma: D7026

References:

- Roelofs, W.L. *et al.*, *Nature (London)*, 1969, **224**, 723, (*occur*)
Holan, G. *et al.*, *Tet. Lett.*, 1973, 673, (*synth*)
Mori, K. *et al.*, *Tetrahedron*, 1977, **33**, 385, (*synth*)
Chisholm, M.D. *et al.*, *J. Chem. Ecol.*, 1978, **4**, 657, (*synth*)
Calo, V. *et al.*, *Synthesis*, 1979, 885-887, (*E-form Ac*)
Aukrust, A. *et al.*, *Acta Chem. Scand., Ser. B*, 1985, **39**, 267, (*synth*)
Odinokov, V.N. *et al.*, *Zh. Org. Khim.*, 1988, **24**, 719, (*synth*)
Pesticide Manual, 12th edn., 2000, No. 278, (*Ac*)