



>>Entry Name: 7-Dodecen-1-ol

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

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

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: 14959-86-5

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: Sex pheromone of the false codling moth *Argyroploce leuctotreta*

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

Aldrich: 25982-9

Sigma: D6520

>>Variant: (Z)-form

CAS Registry Number: 20056-92-2

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.

Refractive Index: n_D^{20} 1.4540

Hazard & Toxicity: Skin irritant. LD_{50} (rat, orl) approx. 12000 mg/kg

Aldrich: 24899-1

Sigma: D5770

>>Derivative: Ac

CAS Registry Number: 16695-41-3

Type of Compound Code(s): VA0450

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

Molecular Weight: 226.358

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

Biological Source: Sex pheromone of the female cabbage looper moth *Trichoplusia ni*. Found in the urine of preovulatory elephants

Use/Importance: Elephant mating hormone

Boiling Point: $\text{Bp}_{0.08}$ 85-90°. $\text{Bp}_{0.05}$ 98-100°

References:

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Leznoff, C.C. *et al.*, *Can. J. Chem.*, 1977, **55**, 1143, (synth)

Seidel, W. *et al.*, *Chem. Ber.*, 1977, **110**, 3544, (synth)

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