



>>Entry Name: 9-Tetradecen-1-ol

$\text{H}_3\text{C}(\text{CH}_2)_3\text{CH}=\text{CH}(\text{CH}_2)_7\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_{14}\text{H}_{28}\text{O}$

Molecular Weight: 212.375

Accurate Mass: 212.214015

Percentage Composition: C 79.18%; H 13.29%; O 7.53%

>>Variant: (*E*)-form

CAS Registry Number: 52957-16-1

Molecular Formula: $\text{C}_{14}\text{H}_{28}\text{O}$

Molecular Weight: 212.375

Accurate Mass: 212.214015

Percentage Composition: C 79.18%; H 13.29%; O 7.53%

Biological Use/Importance: The alcohol and its formate, acetate and propionate show pheromone activity

>>Derivative: Ac

Molecular Formula: $\text{C}_{16}\text{H}_{30}\text{O}_2$

Molecular Weight: 254.412

Accurate Mass: 254.22458

Percentage Composition: C 75.54%; H 11.89%; O 12.58%

Biological Source: Sex pheromone for *Ephesia cautella* and *Spodoptera sunia*

>>Variant: (*Z*)-form

CAS Registry Number: 35153-15-2

Molecular Formula: $\text{C}_{14}\text{H}_{28}\text{O}$

Molecular Weight: 212.375

Accurate Mass: 212.214015

Percentage Composition: C 79.18%; H 13.29%; O 7.53%

Biological Use/Importance: The alcohol and its formate, acetate and propionate show pheromone activity

Boiling Point: $\text{Bp}_{0.01}$ 101-105°

Aldrich: 24903-3

Sigma: T1894

>>Derivative: Formyl

CAS Registry Number: 56218-79-2

Molecular Formula: $\text{C}_{15}\text{H}_{28}\text{O}_2$

Molecular Weight: 240.385

Accurate Mass: 240.20893

Percentage Composition: C 74.95%; H 11.74%; O 13.31%

Boiling Point: $\text{Bp}_{0.01}$ 97-100°

Sigma: T2651

>>Derivative: Ac

CAS Registry Number: 16725-53-4

Molecular Formula: $\text{C}_{16}\text{H}_{30}\text{O}_2$

Molecular Weight: 254.412

Percentage Composition: C 75.54%; H 11.89%; O 12.58%

Biological Source: Sex pheromone of the sugarcane borers *Chilo* spp. Main component of the sex pheromones of *Adoxophyes orana*, other *Adoxophyes* sp. and *Spodoptera frugiperda*

Biological Use/Importance: Insect pheromone used for control of *Spodoptera* sp.

Boiling Point: $\text{Bp}_{0.01}$ 102-104°

Sigma: T4771