



>>Entry Name: 11-Tetradecen-1-ol

$\text{H}_3\text{CCH}_2\text{CH}=\text{CH}(\text{CH}_2)_9\text{CH}_2\text{OH}$

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: 35153-18-5

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%

Physical Description: Liq.

Boiling Point: $\text{Bp}_{0.03}$ 93-94°

>>Derivative: Ac

CAS Registry Number: 33189-72-9

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 European corn borer *Ostrinia nubilalis* and redbanded leafroller moth *Argyrotaenia velutinana*

Physical Description: Liq.

Boiling Point: $\text{Bp}_{0.04}$ 85-86°

Aldrich: 24912-2

Sigma: T2143

>>Variant: (*Z*)-form

CAS Registry Number: 34010-15-6

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 some of its esters show pheromone activity

Physical Description: Oil

Aldrich: 24904-1

Sigma: T0643

>>Derivative: Ac

CAS Registry Number: 20711-10-8

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: Isol. from *Argyrotaenia velutiana* and other insects

Boiling Point: $\text{Bp}_{0.1}$ 103°

References: