



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

$\text{H}_3\text{C}(\text{CH}_2)_7\text{CH}=\text{CH}(\text{CH}_2)_5\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_{16}\text{H}_{32}\text{O}$

Molecular Weight: 240.428

Accurate Mass: 240.245315

Percentage Composition: C 79.93%; H 13.41%; O 6.65%

>>Variant: (*E*)-form

CAS Registry Number: 51824-10-3

Molecular Formula: $\text{C}_{16}\text{H}_{32}\text{O}$

Molecular Weight: 240.428

Accurate Mass: 240.245315

Percentage Composition: C 79.93%; H 13.41%; O 6.65%

Biological Source: Pheromone of Lepidoptera spp.

>>Derivative: Ac

CAS Registry Number: 23192-83-8

Molecular Formula: $\text{C}_{18}\text{H}_{34}\text{O}_2$

Molecular Weight: 282.465

Accurate Mass: 282.25588

Percentage Composition: C 76.54%; H 12.13%; O 11.33%

Biological Source: Pheromone of Lepidoptera spp.

>>Variant: (*Z*)-form

CAS Registry Number: 24880-48-6

Molecular Formula: $\text{C}_{16}\text{H}_{32}\text{O}$

Molecular Weight: 240.428

Accurate Mass: 240.245315

Percentage Composition: C 79.93%; H 13.41%; O 6.65%

Biological Source: Isol. from the heads of male bumblebees, *Bombus agrorum*. Pheromone of many insect spp.

>>Derivative: Formyl

CAS Registry Number: 65954-23-6

Molecular Formula: $\text{C}_{17}\text{H}_{32}\text{O}_2$

Molecular Weight: 268.439

Accurate Mass: 268.24023

Percentage Composition: C 76.06%; H 12.01%; O 11.92%

Biological Source: Sex attractant for cotton pests

>>Derivative: Ac

Synonym(s): Hexalure

CAS Registry Number: 23192-42-9

Biological Source: Pheromone for many insect spp.

Boiling Point: $\text{Bp}_{0.08}$ 121.5-124.5°

>>Derivative: Butanoyl

Molecular Formula: $\text{C}_{20}\text{H}_{38}\text{O}_2$

Molecular Weight: 310.519

Accurate Mass: 310.28718

Percentage Composition: C 77.36%; H 12.33%; O 10.30%

Biological Source: Constit. of cephalic secretions of the stingless bee *Scaptotrigona postica*

References: