>>**Entry Name: 2,4-Hexadien-1-ol,** 9CI
**Synonym(s):** Sorbic alcohol. Sorbyl alcohol

**CAS Registry Number:** 111-28-4
**Related CAS Registry Numbers(s):** 17102-64-6 53384-66-0 80639-28-7 108965-88-4 114988-57-7

$H_3CCH=CHCH=CHCH_2OH$

**Molecular Formula:** $C_6H_{10}O$
**Molecular Weight:** 98.144
**Accurate Mass:** 98.073165
**Percentage Composition:** C 73.43%; H 10.27%; O 16.30%
**Biological Source:** Sex pheromone component of many insect species
**Hazard & Toxicity:** Skin and eye irritant. $LD_{50}$ (rat, orl) 2140 mg/kg. $LD_{50}$ (rat, skn) 1010 mg/kg

**Rare Chemicals Library:** S65944-4

>>**Variant:** (2*E*,4*E*)-form

**CAS Registry Number:** 17102-64-6

**Molecular Formula:** $C_6H_{10}O$
**Molecular Weight:** 98.144
**Accurate Mass:** 98.073165
**Percentage Composition:** C 73.43%; H 10.27%; O 16.30%
**Biological Source:** *Tagetes* sp. leaf oil and other plant spp.
**Physical Description:** Needles
**Melting Point:** Mp 30.5-31.5°
**Boiling Point:** $Bp_{12}$ 76-77°
**Other Data:** Steam-volatile
**Aldrich:** 18305-9
**Fluka:** 52482

>>**Derivative:** Ac

**CAS Registry Number:** 57006-69-6

**Molecular Formula:** $C_8H_{12}O_2$
**Molecular Weight:** 140.182
**Accurate Mass:** 140.08373
**Percentage Composition:** C 68.55%; H 8.63%; O 22.83%
**Biological Source:** Isol. from the scent glands of various Heteroptera and from the defence secretions of *Thaumastella* spp.
**Use/Importance:** Sex pheromone and defence secretion. Used in regioselective cycloadditions with a variety of dienophiles
**Boiling Point:** $Bp_{30}$ 95°. $Bp_{19}$ 83-84°

>>**Derivative:** Propanoyl

**CAS Registry Number:** 95994-92-6

**Molecular Formula:** $C_9H_{14}O_2$
**Molecular Weight:** 154.208
**Accurate Mass:** 154.09938
**Percentage Composition:** C 70.10%; H 9.15%; O 20.75%
**Biological Source:** Isol. from the scent glands of various Heteroptera
**Use/Importance:** Sex pheromone

>>**Derivative:** 3,5-Dinitrobenzoyl

**Physical Description:** Yellow needles (petrol)
**Melting Point:** Mp 85°