



>>Entry Name: 5-Octen-1-ol, 9CI

ENTRY UNDER REVIEW

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

Molecular Formula: $\text{C}_8\text{H}_{16}\text{O}$

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

>>Variant: (*E*)-form

CAS Registry Number: 64275-74-7

Molecular Formula: $\text{C}_8\text{H}_{16}\text{O}$

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Boiling Point: Bp_{14} 91.5°

>>Derivative: Ac

CAS Registry Number: 71978-07-9

Molecular Formula: $\text{C}_{10}\text{H}_{18}\text{O}_2$

Molecular Weight: 170.251

Accurate Mass: 170.13068

Percentage Composition: C 70.55%; H 10.66%; O 18.80%

Physical Description: Oil

>>Variant: (*Z*)-form

Synonym(s): FEMA 3722

CAS Registry Number: 64275-73-6

Molecular Formula: $\text{C}_8\text{H}_{16}\text{O}$

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Biological Source: Constit. of apples, banana, passion fruits, and *Michelia champaca*

Physical Description: Liq. with green fatty odour

Boiling Point: Bp_{12} 96-98°

Density: d_4^{20} 0.85

Refractive Index: n_D^{20} 1.4472

Aldrich: W37221-8

>>Derivative: Sulfate

Molecular Formula: $\text{C}_8\text{H}_{16}\text{O}_4\text{S}$

Molecular Weight: 208.278

Accurate Mass: 208.07693

Percentage Composition: C 46.13%; H 7.74%; O 30.73%; S 15.40%

Biological Source: Isol. from the ascidian *Halocynthia papillosa*

Physical Description: Amorph. solid

Other Data: Stated as *E*-isomer in parts of text

>>Derivative: Ac

CAS Registry Number: 71978-00-2

Molecular Formula: $\text{C}_{10}\text{H}_{18}\text{O}_2$

Molecular Weight: 170.251

Accurate Mass: 170.13068

Percentage Composition: C 70.55%; H 10.66%; O 18.80%

Biological Source: Constit. of bananas and *Michelia champaca*

Physical Description: Oil

>>Derivative: Tetrahydropyranyl ether