



>>Entry Name: 2-Octen-1-ol, 9CI

ENTRY UNDER REVIEW

CAS Registry Number: 22104-78-5

Related CAS Registry Numbers(s): 26806-12-2

$\text{H}_3\text{C}(\text{CH}_2)_4\text{CH}=\text{CHCH}_2\text{OH}$

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: 18409-17-1

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: Found in grapes, ripe bananas and mushroom volatiles

Use/Importance: Food flavour/aroma component

Boiling Point: Bp_{11} 87-89°

>>Derivative: Ac

Synonym(s): 2-Octenyl acetate. FEMA 3516

CAS Registry Number: 3913-80-2

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: Present in banana

Use/Importance: Flavouring agent

Boiling Point: Bp_{13} 82-84°

Refractive Index: n_D^{20} 1.4333

>>Variant: (*Z*)-form

CAS Registry Number: 26001-58-1

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_{10} 85-87°

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 60°

References:

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Richardson, T.I. *et al.*, *J.O.C.*, 1996, **61**, 4219, (*Z-form, synth, ir, pmr, cmr*)

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