



>>Entry Name: 3-Octen-1-ol, 9CI

ENTRY UNDER REVIEW

CAS Registry Number: 18185-81-4

H3C(CH2)3CH=CHCH2CH2OH

Molecular Formula: C₈H₁₆O

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: 20125-85-3

Molecular Formula: C₈H₁₆O

Molecular Weight: 128.214

Accurate Mass: 128.120115

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

Biological Source: Found in ripe bananas

Boiling Point: Bp₁₂ 86°

>>Variant: (Z)-form

Synonym(s): FEMA 3467

CAS Registry Number: 20125-84-2

Molecular Formula: C₈H₁₆O

Molecular Weight: 128.214

Accurate Mass: 128.120115

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

Physical Description: Liq.

Boiling Point: Bp₁₅ 95-96°

Solubility: Insol. H₂O, sol. EtOH

Density: d²⁰ 0.85

Refractive Index: n_D²⁰ 1.4457

Sigma: O5255

References:

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Rossi, R. *et al.*, *Gazz. Chim. Ital.*, 1978, **108**, 709

Alexakis, A. *et al.*, *Tetrahedron*, 1980, **36**, 1961, (*synth, ir, pmr*)

Mitra, R.B. *et al.*, *Synthesis*, 1989, 694, (*synth, ir, pmr*)

Ducoux, J.P. *et al.*, *J.O.C.*, 1993, **58**, 1290, (*synth*)

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