



>>Entry Name: 4-Hexen-1-ol, 9CI

ENTRY UNDER REVIEW

Synonym(s): FEMA 3430

CAS Registry Number: 6126-50-7

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

Molecular Formula: $\text{C}_6\text{H}_{12}\text{O}$

Molecular Weight: 100.16

Accurate Mass: 100.088815

Percentage Composition: C 71.95%; H 12.08%; O 15.97%

Use/Importance: Flavouring ingredient

>>Variant: (*E*)-form

CAS Registry Number: 928-92-7

Molecular Formula: $\text{C}_6\text{H}_{12}\text{O}$

Molecular Weight: 100.16

Accurate Mass: 100.088815

Percentage Composition: C 71.95%; H 12.08%; O 15.97%

Biological Source: Constit. of bananas

Boiling Point: Bp 159-159.4°. Bp₁₉ 70-74°

Aldrich: 23760-4

>>Derivative: 1-Naphthylurethane

Melting Point: Mp 74-75°

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 33.1-33.8°

>>Derivative: Ac

CAS Registry Number: 72237-36-6

Molecular Formula: $\text{C}_8\text{H}_{14}\text{O}_2$

Molecular Weight: 142.197

Accurate Mass: 142.09938

Percentage Composition: C 67.57%; H 9.92%; O 22.50%

Boiling Point: Bp₁₆ 68°

Other Data: Bp. presumably refers to *E*-form

>>Variant: (*Z*)-form

CAS Registry Number: 928-91-6

Molecular Formula: $\text{C}_6\text{H}_{12}\text{O}$

Molecular Weight: 100.16

Accurate Mass: 100.088815

Percentage Composition: C 71.95%; H 12.08%; O 15.97%

Biological Source: Constit. of bananas

Boiling Point: Bp 158-159°

>>Derivative: 1-Naphthylurethane

Melting Point: Mp 74-75°

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 24.8-25.6°

References: