



>>Entry Name: 2,6-Nonadien-1-ol, 9CI

ENTRY UNDER REVIEW

Synonym(s): FEMA 2780

CAS Registry Number: 7786-44-9

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

Molecular Formula: $\text{C}_9\text{H}_{16}\text{O}$

Molecular Weight: 140.225

Accurate Mass: 140.120115

Percentage Composition: C 77.09%; H 11.50%; O 11.41%

Use/Importance: Flavouring ingredient

>>Variant: (2*E*,6*E*)-form

CAS Registry Number: 5820-89-3

Molecular Formula: $\text{C}_9\text{H}_{16}\text{O}$

Molecular Weight: 140.225

Accurate Mass: 140.120115

Percentage Composition: C 77.09%; H 11.50%; O 11.41%

Boiling Point: Bp_{2.5} 58° (lit. gives a pressure range)

>>Derivative: Benzoyl

Molecular Formula: $\text{C}_{16}\text{H}_{20}\text{O}_2$

Molecular Weight: 244.333

Accurate Mass: 244.14633

Percentage Composition: C 78.65%; H 8.25%; O 13.10%

Physical Description: Liq.

Boiling Point: Bp_{0.3} 137°

>>Variant: (2*E*,6*Z*)-form

Synonym(s): Violet alcohol. Cucumber alcohol. Violet-leaf alcohol

CAS Registry Number: 28069-72-9

Molecular Formula: $\text{C}_9\text{H}_{16}\text{O}$

Molecular Weight: 140.225

Accurate Mass: 140.120115

Percentage Composition: C 77.09%; H 11.50%; O 11.41%

Biological Source: Found in *Cucumis sativus* (cucumbers), watermelons and prickly pears

Use/Importance: Used in perfumes and as a flavouring agent in tobacco substitutes

Physical Description: Liq. with intense violet/green odour

Boiling Point: Bp₁₁ 98-100°

Refractive Index: n_D²⁵ 1.4631

Hazard & Toxicity: Skin irritant. LD₅₀ (mus, orl) > 5000 mg/kg

Aldrich: W27800-9

>>Variant: (2*Z*,6*Z*)-form

Molecular Formula: $\text{C}_9\text{H}_{16}\text{O}$

Molecular Weight: 140.225

Accurate Mass: 140.120115

Percentage Composition: C 77.09%; H 11.50%; O 11.41%

Biological Source: Isol. from violet leaves and peppermint oil

Physical Description: Oily liq.

Boiling Point: Bp₂₄ 108-110°

References: