



>>Entry Name: 9-Octadecen-1-ol, 9CI

CAS Registry Number: 593-47-5

$\text{H}_3\text{C}(\text{CH}_2)_7\text{CH}=\text{CH}(\text{CH}_2)_7\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_{18}\text{H}_{36}\text{O}$

Molecular Weight: 268.482

Accurate Mass: 268.276615

Percentage Composition: C 80.53%; H 13.51%; O 5.96%

>>Variant: (E)-form

Synonym(s): Elaidyl alcohol. Elaidic alcohol

CAS Registry Number: 506-42-3

Molecular Formula: $\text{C}_{18}\text{H}_{36}\text{O}$

Molecular Weight: 268.482

Accurate Mass: 268.276615

Percentage Composition: C 80.53%; H 13.51%; O 5.96%

Melting Point: Mp 36-37° (34°)

Boiling Point: Bp₁₈ 216°

Sigma: E4752

>>Variant: (Z)-form

Synonym(s): Oleyl alcohol. Oleic alcohol

CAS Registry Number: 143-28-2

Molecular Formula: $\text{C}_{18}\text{H}_{36}\text{O}$

Molecular Weight: 268.482

Accurate Mass: 268.276615

Percentage Composition: C 80.53%; H 13.51%; O 5.96%

Biological Source: Occurs in fish oils. Also obt. from wood of *Eperua falcata*

Physical Description: Pale yellow, oily liq.

Boiling Point: Bp 360°. Bp₁₅ 205-210°

Solubility: Insol. H₂O

Density: d₄²⁰ 0.849

Refractive Index: n_D²⁰ 1.4607

Other Data: Oligomerises in the presence of BF₃

Hazard & Toxicity: Skin and eye irritant. Fl. p. 184/189°, autoignition temp. 363°

Aldrich: O-760-0

Fluka: 75341

Sigma: O1125

>>Derivative: Ac

CAS Registry Number: 693-80-1

Molecular Formula: $\text{C}_{20}\text{H}_{38}\text{O}_2$

Molecular Weight: 310.519

Accurate Mass: 310.28718

Percentage Composition: C 77.36%; H 12.33%; O 10.30%

Physical Description: Liq.

Boiling Point: Bp_{0.04} 131-135°

References:

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