>>**Entry Name: 9-Octadecen-1-ol,** 9Cl

CAS Registry Number: 593-47-5
$H_3C(CH_2)_7CH{=}CH(CH_2)_7CH_2OH$

Molecular Formula: $C_{18}H_{36}O$
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: $C_{18}H_{36}O$
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: Bp_{18} 216°
Sigma: E4752

>>**Variant:** (*Z*)-form
Synonym(s): Oleyl alcohol. Oleic alcohol

CAS Registry Number: 143-28-2

Molecular Formula: $C_{18}H_{36}O$
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°. Bp_{15} 205-210°
Solubility: Insol. H_2O
Density: d_4^{20} 0.849
Refractive Index: n_D^{20} 1.4607
Other Data: Oligomerises in the presence of BF_3
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: $C_{20}H_{38}O_2$
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°

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