



Density: d_4^{26} 0.87
Refractive Index: n_D^{20} 1.4480

>>Derivative: Hexadecyl ester

CAS Registry Number: 2495-27-4
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%
Melting Point: Mp 24° (15°)
Boiling Point: Bp₂ 183°
Density: d^{20} 0.87
Refractive Index: n_D^{20} 1.4514

>>Derivative: Octadecyl ester

CAS Registry Number: 32360-05-7
Molecular Formula: $C_{22}H_{42}O_2$
Molecular Weight: 338.573
Accurate Mass: 338.31848
Percentage Composition: C 78.05%; H 12.50%; O 9.45%
Boiling Point: Bp₆ 195°. Bp_{0.5} 175°
Refractive Index: n_D^{25} 1.4500
Aldrich: 41144-2

>>Derivative: Docosyl ester

CAS Registry Number: 16669-27-5
Molecular Formula: $C_{26}H_{50}O_2$
Molecular Weight: 394.68
Accurate Mass: 394.38108
Percentage Composition: C 79.12%; H 12.77%; O 8.11%
Melting Point: Mp 41-42.5°

>>Derivative: 2,2,2-Trifluoroethyl ester

CAS Registry Number: 352-87-4
Molecular Formula: $C_6H_7F_3O_2$
Molecular Weight: 168.115
Accurate Mass: 168.039814
Percentage Composition: C 42.87%; H 4.20%; F 33.90%; O 19.03%
Boiling Point: Bp₁₀₀ 59°. Bp₈ 21°
Density: d 1.18
Refractive Index: n_D^{25} 1.3625
Aldrich: 37376-1

>>Derivative: 1-Chloroethyl ester

Molecular Formula: $C_6H_9ClO_2$
Molecular Weight: 148.589
Accurate Mass: 148.029107
Percentage Composition: C 48.50%; H 6.10%; Cl 23.86%; O 21.54%
Boiling Point: Bp₃ 41-43°
Density: d_4^{26} 1.08
Refractive Index: n_D^{20} 1.4386

>>Derivative: 2,2,2-Trichloroethyl ester

CAS Registry Number: 50601-47-3
Molecular Formula: $C_6H_7Cl_3O_2$
Molecular Weight: 217.478
Accurate Mass: 215.951161
Percentage Composition: C 33.14%; H 3.24%; Cl 48.91%; O 14.71%
Boiling Point: Bp₁ 55°
Density: d_4^{26} 1.33
Refractive Index: n_D^{20} 1.4718