



>>Derivative: Monododecyl ether
Synonym(s): 2-Dodecyloxyethanol

CAS Registry Number: 4536-30-5
Molecular Formula: $C_{14}H_{30}O_2$
Molecular Weight: 230.39
Accurate Mass: 230.22458
Percentage Composition: C 72.99%; H 13.12%; O 13.89%
Physical Description: Cryst. (Me₂CO at -30°)
Melting Point: Mp 20.3° (16-17°)
Boiling Point: Bp_{0.2} 137°
Refractive Index: n_D²⁵ 1.4435

>>Derivative: Monotetradecyl ether

CAS Registry Number: 2136-70-1
Molecular Formula: $C_{16}H_{34}O_2$
Molecular Weight: 258.443
Accurate Mass: 258.25588
Percentage Composition: C 74.36%; H 13.26%; O 12.38%
Physical Description: Cryst. (Me₂CO at -30°)
Melting Point: Mp 30.5-31.5°

>>Derivative: Monohexadecyl ether

Molecular Formula: $C_{18}H_{38}O_2$
Molecular Weight: 286.497
Accurate Mass: 286.28718
Percentage Composition: C 75.46%; H 13.37%; O 11.17%
Physical Description: Cryst. (Me₂CO at -30°)
Melting Point: Mp 42.5-43°

>>Derivative: Dihexadecyl ether

CAS Registry Number: 17367-09-8
Molecular Formula: $C_{34}H_{70}O_2$
Molecular Weight: 510.926
Accurate Mass: 510.53758
Percentage Composition: C 79.93%; H 13.81%; O 6.26%
Physical Description: Cryst.(hexane)
Melting Point: Mp 53.5-54°

>>Derivative: Monooctadecyl ether

CAS Registry Number: 2136-72-3
Molecular Formula: $C_{20}H_{42}O_2$
Molecular Weight: 314.551
Accurate Mass: 314.31848
Percentage Composition: C 76.37%; H 13.46%; O 10.17%
Physical Description: Cryst. (Me₂CO at -30°)
Melting Point: Mp 51.5-52°

>>Derivative: Dioctadecyl ether

CAS Registry Number: 17367-11-2
Molecular Formula: $C_{38}H_{78}O_2$
Molecular Weight: 567.033
Accurate Mass: 566.60018
Percentage Composition: C 80.49%; H 13.86%; O 5.64%
Physical Description: Cryst. (hexane)
Melting Point: Mp 60.5-61.5°