



Molecular Formula: C₁₆H₃₄O₅
Molecular Weight: 306.442
Accurate Mass: 306.240625
Percentage Composition: C 62.71%; H 11.18%; O 26.11%
Melting Point: Mp -2°
Boiling Point: Bp_{0.005} 149.5-150.5°. Bp₂ 201-202°
Density: d₄²⁶ 0.9677
Refractive Index: n_D²⁰ 1.4491

>>Derivative: Monodecyl ether

Synonym(s): 3,6,9,12-Tetraoxadocosan-1-ol, 9CI

CAS Registry Number: 5703-94-6

Molecular Formula: C₁₈H₃₈O₅

Molecular Weight: 334.495

Accurate Mass: 334.271925

Percentage Composition: C 64.63%; H 11.45%; O 23.92%

Boiling Point: Bp_{0.03} 155-165°

>>Derivative: Monododecyl ether

Synonym(s): 3,6,9,12-Tetraoxatetracosan-1-ol, 9CI

CAS Registry Number: 5274-68-0

Molecular Formula: C₂₀H₄₂O₅

Molecular Weight: 362.549

Accurate Mass: 362.303225

Percentage Composition: C 66.26%; H 11.68%; O 22.07%

Use/Importance: Nonionic surfactant

Melting Point: Mp 19.6-19.9°

Boiling Point: Bp_{0.2} 184-185°

Refractive Index: n_D²⁰ 1.4527

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