



>>Entry Name: 1,8-Octanediol, 9CI

Synonym(s): Octamethylene glycol

CAS Registry Number: 629-41-4

Extra CAS Registry Numbers(s): 26762-67-4

HOCH₂(CH₂)₆CH₂OH

Molecular Formula: C₈H₁₈O₂

Molecular Weight: 146.229

Accurate Mass: 146.13068

Percentage Composition: C 65.71%; H 12.41%; O 21.88%

Use/Importance: Used in polymer manuf.

Physical Description: Needles (C₆H₆/petrol)

Melting Point: Mp 63°

Boiling Point: Bp₂₀ 172°. Bp₁ 118-120°

Solubility: Sol. EtOH; spar. sol. H₂O, Et₂O, petrol

Aldrich: O-330-3

Fluka: 74840

>>Derivative: Di-Ac

Synonym(s): 1,8-Diacetoxyoctane

CAS Registry Number: 3992-48-1

Molecular Formula: C₁₂H₂₂O₄

Molecular Weight: 230.303

Accurate Mass: 230.15181

Percentage Composition: C 62.58%; H 9.63%; O 27.79%

Physical Description: Liq.

Boiling Point: Bp_{0.1} 103°

>>Derivative: Bisphenylurethane

Melting Point: Mp 172-172.5°

>>Derivative: Mono-Me ether

Synonym(s): 8-Methoxy-1-octanol, 9CI

CAS Registry Number: 51308-90-8

Molecular Formula: C₉H₂₀O₂

Molecular Weight: 160.256

Accurate Mass: 160.14633

Percentage Composition: C 67.45%; H 12.58%; O 19.97%

Physical Description: Oil

Boiling Point: Bp₁₅ 128-133°

>>Derivative: Di-Me ether

Synonym(s): 1,8-Dimethoxyoctane, 9CI

CAS Registry Number: 51306-09-3

Molecular Formula: C₁₀H₂₂O₂

Molecular Weight: 174.283

Accurate Mass: 174.16198

Percentage Composition: C 68.92%; H 12.72%; O 18.36%

Physical Description: Oil

Boiling Point: Bp₁₅ 108-109°. Bp 221°

Rare Chemicals Library: S34440-0

>>Derivative: Di-Ph ether

Synonym(s): 1,8-Diphenoxyoctane

CAS Registry Number: 61575-01-7

Molecular Formula: C₂₀H₂₆O₂

Molecular Weight: 298.424

Accurate Mass: 298.19328

Percentage Composition: C 80.50%; H 8.78%; O 10.72%

Melting Point: Mp 76-78°

Other: PB D49510