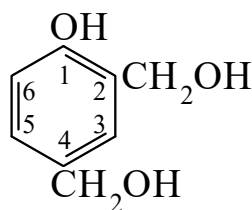




>>Entry Name: 2,4-Bis(hydroxymethyl)phenol

Synonym(s): 4-Hydroxy-1,3-benzenedimethanol, 9CI. 4-Hydroxy-*m*-xylene- α,α' -diol, 8CI. 2,4-Dimethylolphenol



CAS Registry Number: 2937-60-2

Molecular Formula: C₈H₁₀O₃

Molecular Weight: 154.165

Accurate Mass: 154.062995

Percentage Composition: C 62.33%; H 6.54%; O 31.13%

Physical Description: Needles (CHCl₃/Et₂O)

Melting Point: Mp 96°

Solubility: Sol. H₂O; insol. C₆H₆, CHCl₃, hexane

pKa Value: pK_a 9.77 (25°)

>>Derivative: Tri-Ac

CAS Registry Number: 2937-70-4

Molecular Formula: C₁₄H₁₆O₆

Molecular Weight: 280.277

Accurate Mass: 280.09469

Percentage Composition: C 60.00%; H 5.75%; O 34.25%

Physical Description: Liq.

Boiling Point: Bp_{1.5} 173°

>>Derivative: 1-Me ether

Synonym(s): 4-Methoxy-1,3-benzenedimethanol, 9CI. 2,4-Bis(hydroxymethyl)anisole

CAS Registry Number: 15471-26-8

Molecular Formula: C₉H₁₂O₃

Molecular Weight: 168.192

Accurate Mass: 168.078645

Percentage Composition: C 64.27%; H 7.19%; O 28.54%

Physical Description: Needles (C₆H₆)

Melting Point: Mp 100-101°

Solubility: Sol. H₂O, EtOH

>>Derivative: Tri-Me ether

Synonym(s): 1-Methoxy-2,4-bis(methoxymethyl)benzene. 2,4-Bis(methoxymethyl)anisole

CAS Registry Number: 13621-03-9

Molecular Formula: C₁₁H₁₆O₃

Molecular Weight: 196.246

Accurate Mass: 196.109945

Percentage Composition: C 67.32%; H 8.22%; O 24.46%

Physical Description: Liq.

Boiling Point: Bp₁₈ 155°

Density: d₁₈ 1.072

Refractive Index: n_D¹⁸ 1.5150

>>Derivative: 1-Ph ether

Synonym(s): 4-Phenoxy-1,3-benzenedimethanol

CAS Registry Number: 67666-84-6

Molecular Formula: C₁₄H₁₄O₃

Molecular Weight: 230.263

Accurate Mass: 230.094295

Percentage Composition: C 73.03%; H 6.13%; O 20.84%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 73.5-74°

References: