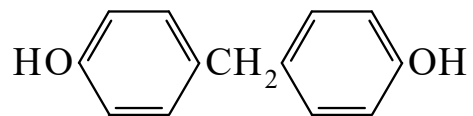




>>Entry Name: 4,4'-Dihydroxydiphenylmethane

Synonym(s): 4,4'-Methylenebisphenol, 9Cl. 4-[(4-Hydroxyphenyl)methyl]phenol, 9Cl. 4,4'-Methylenediphenol, 8Cl. Bis(4-hydroxyphenyl)methane



CAS Registry Number: 620-92-8

Related CAS Registry Numbers(s): 53818-85-2 110299-22-4

Extra CAS Registry Numbers(s): 1333-16-0 87139-40-0

Molecular Formula: C₁₃H₁₂O₂

Molecular Weight: 200.237

Accurate Mass: 200.08373

Percentage Composition: C 77.98%; H 6.04%; O 15.98%

Biological Source: Isol. from *Gastrodia elata* and *Galeola faberi*

Use/Importance: Used in synth. of phenolic and epoxy resins

Physical Description: Leaflets (H₂O)

Melting Point: Mp 162-163°

pKa Value: pK_{a1} 7.55; pK_{a2} 10.8 (25°,H₂O)

Hazard & Toxicity: LD₅₀ (rat, orl) 4950 mg/kg

Aldrich: B4700-6

>>Derivative: Di-Ac

CAS Registry Number: 40232-99-3

Molecular Formula: C₁₇H₁₆O₄

Molecular Weight: 284.311

Accurate Mass: 284.10486

Percentage Composition: C 71.82%; H 5.67%; O 22.51%

Physical Description: Prisms (EtOH)

Melting Point: Mp 73-74°

>>Derivative: Dibenzoyl

CAS Registry Number: 21886-63-5

Molecular Formula: C₂₇H₂₀O₄

Molecular Weight: 408.453

Accurate Mass: 408.13616

Percentage Composition: C 79.40%; H 4.94%; O 15.67%

Physical Description: Needles (EtOH)

Melting Point: Mp 156°

>>Derivative: Di-Me ether

Synonym(s): 4,4'-Dimethoxydiphenylmethane

CAS Registry Number: 726-18-1

Molecular Formula: C₁₅H₁₆O₂

Molecular Weight: 228.29

Accurate Mass: 228.11503

Percentage Composition: C 78.92%; H 7.06%; O 14.02%

Physical Description: Leaflets (EtOH)

Melting Point: Mp 52°

Boiling Point: Bp₃ 167-169°

>>Derivative: Di-Et ether

Synonym(s): 4,4'-Diethoxydiphenylmethane

CAS Registry Number: 2212-41-1

Molecular Formula: C₁₇H₂₀O₂

Molecular Weight: 256.344

Accurate Mass: 256.14633

Percentage Composition: C 79.65%; H 7.86%; O 12.48%

Physical Description: Scales

Melting Point: Mp 39°

Boiling Point: Bp₃ 174-176°