



>>Entry Name: Diphenylmethanol

Synonym(s): α -Phenylbenzenemethanol, 9CI. Benzhydrol, 8CI. α -Hydroxydiphenylmethane. Benzohydrol. Diphenylcarbinol. Benzhydryl alcohol

CAS Registry Number: 91-01-0

Related CAS Registry Numbers(s): 5670-78-0

Ph_2CHOH

Molecular Formula: $\text{C}_{13}\text{H}_{12}\text{O}$

Molecular Weight: 184.237

Accurate Mass: 184.088815

Percentage Composition: C 84.75%; H 6.56%; O 8.68%

Melting Point: Mp 69°

Boiling Point: Bp₇₄₈ 297°. Bp₂₀ 180°

Hazard & Toxicity: LD₅₀ (rat, orl) 5000 mg/kg

Aldrich: B485-6

Fluka: 42880

Sigma: B0384

>>Derivative: Ac

CAS Registry Number: 954-67-6

Molecular Formula: $\text{C}_{15}\text{H}_{14}\text{O}_2$

Molecular Weight: 226.274

Accurate Mass: 226.09938

Percentage Composition: C 79.62%; H 6.24%; O 14.14%

Melting Point: Mp 41-42°

Rare Chemicals Library: S56904-6

>>Derivative: Benzoyl

CAS Registry Number: 7515-28-8

Molecular Formula: $\text{C}_{20}\text{H}_{16}\text{O}_2$

Molecular Weight: 288.345

Accurate Mass: 288.11503

Percentage Composition: C 83.31%; H 5.59%; O 11.10%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 86-88°

Rare Chemicals Library: S81385-0

>>Derivative: 4-Nitrobenzoyl

CAS Registry Number: 25115-94-0

Melting Point: Mp 130-131°

>>Derivative: Me ether

Synonym(s): 1,1'-(Methoxymethylene)bisbenzene, 9CI. Methoxydiphenylmethane

CAS Registry Number: 1016-09-7

Molecular Formula: $\text{C}_{14}\text{H}_{14}\text{O}$

Molecular Weight: 198.264

Accurate Mass: 198.104465

Percentage Composition: C 84.81%; H 7.12%; O 8.07%

Boiling Point: Bp₂₀ 150-154°. Bp_{0.03} 94-95°

Rare Chemicals Library: S81960-3

>>Derivative: Et ether

Synonym(s): 1,1'-(Ethoxymethylene)bisbenzene. Ethoxydiphenylmethane

CAS Registry Number: 129417-41-0

Molecular Formula: $\text{C}_{15}\text{H}_{16}\text{O}$

Molecular Weight: 212.291

Accurate Mass: 212.120115

Percentage Composition: C 84.87%; H 7.60%; O 7.54%

Boiling Point: Bp 288°. Bp₁₄ 157°