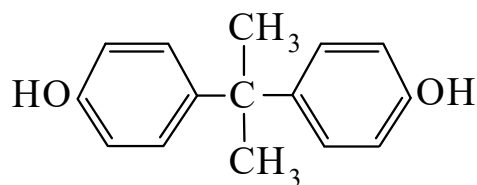




>>Entry Name: 2,2'-Bis(4-hydroxyphenyl)propane

ENTRY UNDER REVIEW

Synonym(s): 4,4'-(1-Methylethylidene)bisphenol, 9CI. 4,4'-Isopropylidenediphenol, 8CI. Diphenylolpropane. Bisphenol A. Dian. 1,1'-(1-Methylethylidene)bisphenylol, 9CI



CAS Registry Number: 80-05-7

Related CAS Registry Numbers(s): 2444-90-8

Molecular Formula: C₁₅H₁₆O₂

Molecular Weight: 228.29

Accurate Mass: 228.11503

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

Source/Synthesis: Manuf. from phenol and acetone. Potential food contaminant arising from its use in reusable polycarbonate food containers such as water carboys, baby bottles and kitchen utensils

Use/Importance: Intermed. for manuf. of polymers, antioxidants and dyes. Important industrial chemical, 48th in order of volume for USA in 1994 (production 0.74 million tons/year)

Melting Point: Mp 156-157°

Boiling Point: Bp₁₃ 250-252°

Solubility: Insol. H₂O; sol. EtOH; sl. sol. CCl₄

Hazard & Toxicity: Skin and eye irritant. LD₅₀ (rat, orl) 3250 mg/kg. Exp. reprod. and teratogenic effects

Aldrich: 23965-8

Fluka: 14939

Sigma: I0635

>>Derivative: Di-Ac

CAS Registry Number: 10192-62-8

Molecular Formula: C₁₉H₂₀O₄

Molecular Weight: 312.365

Accurate Mass: 312.13616

Percentage Composition: C 73.06%; H 6.45%; O 20.49%

Physical Description: Cryst.

Melting Point: Mp 79.5-81.5°

Aldrich: 45256-4

Rare Chemicals Library: S52757-2

>>Derivative: Dibenzoyl

CAS Registry Number: 2297-14-5

Molecular Formula: C₂₉H₂₄O₄

Molecular Weight: 436.506

Accurate Mass: 436.16746

Percentage Composition: C 79.80%; H 5.54%; O 14.66%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 153.5°

>>Derivative: Di-2-methyl-2-propenoyl

Synonym(s): Bisphenol A dimethacrylate

CAS Registry Number: 3253-39-2

Molecular Formula: C₂₃H₂₄O₄

Molecular Weight: 364.44

Accurate Mass: 364.16746

Percentage Composition: C 75.80%; H 6.64%; O 17.56%

Use/Importance: Monomer

Melting Point: Mp 72-74°

Aldrich: 15632-9

Sigma: I4509