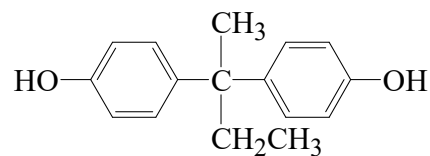




>>Entry Name: 2,2-Bis(4-hydroxyphenyl)butane

Synonym(s): 4,4'-(1-Methylpropylidene)bisphenol, 9Cl. 4,4'-*sec*-Butylidenediphenol, 8Cl. Bisphenol B



CAS Registry Number: 77-40-7

Molecular Formula: C₁₆H₁₈O₂

Molecular Weight: 242.317

Accurate Mass: 242.13068

Percentage Composition: C 79.31%; H 7.49%; O 13.21%

Use/Importance: Used in the manuf. of polyesters and polycarbonates, and in prepn. of diazo dyes; antioxidant for rubbers; component of photochromic, thermal printing, electrophotographic and electrorecording compositions

Physical Description: Needles or prisms (C₆H₆/petrol)

Melting Point: Mp 124-125°

Rare Chemicals Library: S45436-2

>>Derivative: Dibenzoyl

Molecular Formula: C₃₀H₂₆O₄

Molecular Weight: 450.533

Accurate Mass: 450.18311

Percentage Composition: C 79.98%; H 5.82%; O 14.20%

Melting Point: Mp 143°

References:

McGreal, M.E. *et al.*, *J.A.C.S.*, 1939, **61**, 345-348, (*synth*)

Reid, E.E. *et al.*, *J.A.C.S.*, 1944, **66**, 967-969, (*synth, dibenzoyl*)

U.S. Pat., 1949, 2 468 982; *CA*, **43**, 5424b, (*synth*)

U.S. Pat., 1961, 3 277 183; *CA*, **57**, 7077a, (*purifn*)

Cöüpek, J. *et al.*, *J. Chromatogr.*, 1973, **75**, 87-92, (*chromatog*)

Jiang, X. *et al.*, *Huaxue Yu Nianhe*, 1995, 192-194; 201; *CA*, **124**, 88599q, (*synth, ir, pmr*)