



>>Entry Name: Bis(4-fluorophenyl)methanol

Synonym(s): 4-Fluoro- α -(4-fluorophenyl)benzenemethanol, 9Cl. 4,4'-Difluorobenzhydrol. 4,4'-Difluorodiphenylmethanol

CAS Registry Number: 365-24-2

Molecular Formula: C₁₃H₁₀F₂O

Molecular Weight: 220.218

Accurate Mass: 220.069971

Percentage Composition: C 70.90%; H 4.58%; F 17.25%; O 7.27%

Physical Description: Needles (petrol)

Melting Point: Mp 47.3-47.5°

Boiling Point: Bp_{24.5} 185-200°. Bp₅ 150-154°

Aldrich: 22268-2

>>Derivative: 4-Nitrobenzoyl

Physical Description: Needles (EtOH)

Melting Point: Mp 112.8-113.2°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 354B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1136B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1060D, (*ir*)

Gunther, F.A. *et al.*, *J.A.C.S.*, 1950, **72**, 4282, (*synth*)

Streitwieser, A. *et al.*, *J.A.C.S.*, 1985, **107**, 6970, (*synth, pmr*)