



>>Entry Name: 4-Biphenylol, 8Cl

Synonym(s): 4-Hydroxybiphenyl. *p*-Phenylphenol. *p*-Xenol

CAS Registry Number: 92-69-3

Extra CAS Registry Numbers(s): 1322-20-9

Molecular Formula: C₁₂H₁₀O

Molecular Weight: 170.21

Accurate Mass: 170.073165

Percentage Composition: C 84.68%; H 5.92%; O 9.40%

Use/Importance: Colorimetric reagent for acetaldehyde

Physical Description: Needles or plates (EtOH aq.)

Melting Point: Mp 164-165°

Boiling Point: Bp 305-308°

pKa Value: pK_a 9.55 (23°)

Other Data: Sublimes

Hazard & Toxicity: Fl. p. 166°

Aldrich: 42462-5

Fluka: 54900

Sigma: H7751

>>Derivative: Ac

CAS Registry Number: 148-86-7

Molecular Formula: C₁₄H₁₂O₂

Molecular Weight: 212.248

Accurate Mass: 212.08373

Percentage Composition: C 79.23%; H 5.70%; O 15.08%

Physical Description: Plates (EtOH)

Melting Point: Mp 88-89°

Aldrich: 41196-5

>>Derivative: Benzoyl

CAS Registry Number: 2170-13-0

Molecular Formula: C₁₉H₁₄O₂

Molecular Weight: 274.318

Accurate Mass: 274.09938

Percentage Composition: C 83.19%; H 5.14%; O 11.66%

Physical Description: Cryst.

Melting Point: Mp 121°. Mp 150°

Rare Chemicals Library: S32841-3

>>Derivative: 4-Methylbenzenesulfonyl

Physical Description: Plates (AcOH)

Melting Point: Mp 177°

>>Derivative: Me ether

Synonym(s): 4-Methoxybiphenyl

CAS Registry Number: 613-37-6

Molecular Formula: C₁₃H₁₂O

Molecular Weight: 184.237

Accurate Mass: 184.08815

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

Physical Description: Plates (EtOH)

Melting Point: Mp 91-92°

Boiling Point: Bp₁₈ 174°

Aldrich: 37477-6