



>>Entry Name: 3-Biphenylol, 8Cl

Synonym(s): 3-Hydroxybiphenyl. *m*-Phenylphenol. *m*-Xenol

CAS Registry Number: 580-51-8

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%

Physical Description: Needles (H₂O or petrol)

Melting Point: Mp 78° (74-75°)

pKa Value: pK_a 9.64 (23°)

Other Data: Steam-volatile

Aldrich: 26225-0

Fluka: 54895

Sigma: H6527

>>Derivative: Ac

CAS Registry Number: 42861-69-8

Molecular Formula: C₁₄H₁₂O₂

Molecular Weight: 212.248

Accurate Mass: 212.08373

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

Physical Description: Cryst.

Melting Point: Mp 34°

Boiling Point: Bp₂ 135-136°

>>Derivative: Benzoyl

CAS Registry Number: 51531-67-0

Molecular Formula: C₁₉H₁₄O₂

Molecular Weight: 274.318

Accurate Mass: 274.09938

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

Physical Description: Plates (EtOH)

Melting Point: Mp 60-61°

>>Derivative: 4-Methylbenzenesulfonyl

Melting Point: Mp 52.5°

>>Derivative: Me ether

Synonym(s): 3-Methoxybiphenyl

CAS Registry Number: 2113-56-6

Molecular Formula: C₁₃H₁₂O

Molecular Weight: 184.237

Accurate Mass: 184.088815

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

Physical Description: Liq.

Boiling Point: Bp₂ 136-138°

Rare Chemicals Library: S69686-2

>>Derivative: Et ether

Synonym(s): 3-Ethoxybiphenyl

Molecular Formula: C₁₄H₁₄O

Molecular Weight: 198.264

Accurate Mass: 198.104465

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

Physical Description: Cryst.

Melting Point: Mp 34°

Boiling Point: Bp 310°. Bp₂₅ 227-230°

References: