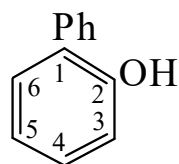




>>Entry Name: 2-Biphenylol, 8Cl

ENTRY UNDER REVIEW

Synonym(s): 2-Hydroxybiphenyl. *o*-Phenylphenol. *o*-Xenol. Dowicide 1. Manusept. Orthoxenol. Rotoline. Stellisept. 2-Phenylphenol, BSI, ISO. Orthophenylphenol. E 231



CAS Registry Number: 90-43-7

Related CAS Registry Numbers(s): 132-27-4

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: Reagent for the anal. of aromatic acetals and aldehydes. Topical antiseptic, disinfectant and antifungal agent. Used as food preservative

Physical Description: Needles (petrol)

Melting Point: Mp 56°

Boiling Point: Bp 275°. Bp₁₄ 145°

pKa Value: pK_{a1} 10.01 (20°)

Hazard & Toxicity: Eye and skin irritant. LD₅₀ (mus, orl) 1050 mg/kg. Exp. carcinogen. Exp. teratogenic effects. Fl. p. 107°.

Aldrich: P2826-3

Fluka: 54890

Sigma: H7626

>>Derivative: Na salt

Synonym(s): Dowicide A. Natriphene. E 232

CAS Registry Number: 132-27-4

Use/Importance: Agricultural fungicide, disinfectant, food preservative

Physical Description: Tetrahydrate

Solubility: Sol. H₂O

Fluka: 54911

Rare Chemicals Library: S51841-7

>>Derivative: Ac

CAS Registry Number: 3271-80-5

Molecular Formula: C₁₄H₁₂O₂

Molecular Weight: 212.248

Accurate Mass: 212.08373

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

Physical Description: Needles (petrol)

Melting Point: Mp 62.5-63°

Boiling Point: Bp₁₅ 164-165°

>>Derivative: Benzoyl

CAS Registry Number: 5449-49-0

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 73-76°

>>Derivative: 4-Methylbenzenesulfonyl

Melting Point: Mp 64-66°