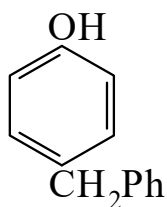




>>Entry Name: 4-Benzylphenol

Synonym(s): 4-(Phenylmethyl)phenol, 9CI. α -Phenyl-*p*-cresol, 8CI. 4-Hydroxydiphenylmethane



CAS Registry Number: 101-53-1

Molecular Formula: C₁₃H₁₂O

Molecular Weight: 184.237

Accurate Mass: 184.088815

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

Use/Importance: Fungicide, bactericide, disinfectant

Physical Description: Needles (petrol)

Melting Point: Mp 86°

Boiling Point: Bp 320-322°. Bp₄ 154-157°

Calculated Log P Data: Log P 3.54 (calc)

Hazard & Toxicity: LD₅₀ (mus, orl) >20000 mg/kg

Aldrich: H2580-8

>>Derivative: Ac

Molecular Formula: C₁₅H₁₄O₂

Molecular Weight: 226.274

Accurate Mass: 226.09938

Percentage Composition: C 79.62%; H 6.24%; O 14.14%

Physical Description: Liq.

Boiling Point: Bp 317°

Density: d₄⁰ 1.117

>>Derivative: Benzoyl

CAS Registry Number: 23450-15-9

Molecular Formula: C₂₀H₁₆O₂

Molecular Weight: 288.345

Accurate Mass: 288.11503

Percentage Composition: C 83.31%; H 5.59%; O 11.10%

Melting Point: Mp 87°

Rare Chemicals Library: S32842-1

>>Derivative: Me ether

Synonym(s): 4-Benzylanisole

CAS Registry Number: 834-14-0

Molecular Formula: C₁₄H₁₄O

Molecular Weight: 198.264

Accurate Mass: 198.104465

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

Melting Point: Mp 20°

Boiling Point: Bp 305°. Bp₁₀ 177°

Rare Chemicals Library: S83688-5