



>>Entry Name: **2,3-Biphenyldiol**

Synonym(s): 2,3-Dihydroxybiphenyl. 3-Phenylpyrocatechol

CAS Registry Number: 1133-63-7

Extra CAS Registry Numbers(s): 26983-52-8

Molecular Formula: C₁₂H₁₀O₂

Molecular Weight: 186.21

Accurate Mass: 186.06808

Percentage Composition: C 77.40%; H 5.41%; O 17.18%

Physical Description: Needles (petrol)

Melting Point: Mp 113-114°

Boiling Point: Bp₁₀ 175-178°

>>Derivative: Di-Ac

Molecular Formula: C₁₆H₁₄O₄

Molecular Weight: 270.284

Accurate Mass: 270.08921

Percentage Composition: C 71.10%; H 5.22%; O 23.68%

Melting Point: Mp 78-79°

>>Derivative: Di-Me ether

Synonym(s): 2,3-Dimethoxybiphenyl. 3-Phenylveratrole

Molecular Formula: C₁₄H₁₄O₂

Molecular Weight: 214.263

Accurate Mass: 214.09938

Percentage Composition: C 78.48%; H 6.59%; O 14.93%

Physical Description: Needles (petrol)

Melting Point: Mp 46°

Boiling Point: Bp_{0.2} 100°

References:

Allen, C.H.F. *et al.*, *J.O.C.*, 1949, **14**, 798, (*synth*)

Bruce, J.M. *et al.*, *J.C.S.*, 1955, 4435; 1963, 1757, (*synth, uv*)