



>>Entry Name: 3-Nitro-4-biphenylol, 8Cl

Synonym(s): 4-Hydroxy-3-nitrobiphenyl. 2-Nitro-4-phenylphenol

CAS Registry Number: 885-82-5

Molecular Formula: C₁₂H₉NO₃

Molecular Weight: 215.208

Accurate Mass: 215.058244

Percentage Composition: C 66.97%; H 4.22%; N 6.51%; O 22.30%

Melting Point: Mp 66-67.5°

pKa Value: pK_a 6.73 (25°)

Rare Chemicals Library: S38969-2

>>Derivative: Ac

Molecular Formula: C₁₄H₁₁NO₄

Molecular Weight: 257.245

Accurate Mass: 257.068809

Percentage Composition: C 65.37%; H 4.31%; N 5.44%; O 24.88%

Physical Description: Prisms (petrol)

Melting Point: Mp 85-86°

>>Derivative: Me ether

Synonym(s): 4-Methoxy-3-nitrobiphenyl

CAS Registry Number: 15854-73-6

Molecular Formula: C₁₃H₁₁NO₃

Molecular Weight: 229.235

Accurate Mass: 229.073894

Percentage Composition: C 68.11%; H 4.84%; N 6.11%; O 20.94%

Physical Description: Needles (EtOH)

Melting Point: Mp 91-92°

References:

Raiford, L.C. *et al.*, *J.A.C.S.*, 1925, **47**, 1454

Bell, F. *et al.*, *J.C.S.*, 1926, 3044

Rappoport, M. *et al.*, *J.A.C.S.*, 1961, **83**, 3489, (*uv*)

Bekárek, V. *et al.*, *Coll. Czech. Chem. Comm.*, 1972, **37**, 3447, (*ir*)