



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

Synonym(s): 4-Hydroxy-4'-nitrobiphenyl. *p*-(*p*-Nitrophenyl)phenol

CAS Registry Number: 3916-44-7

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%

Physical Description: Yellow needles (C₆H₆)

Melting Point: Mp 204°

pKa Value: pK_a 10.08 (25°, 50% EtOH aq.)

>>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: Needles (petrol)

Melting Point: Mp 138-139°

>>Derivative: Me ether

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

CAS Registry Number: 2143-90-0

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: Yellow needles (EtOH)

Melting Point: Mp 111°

References:

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

Jones, B. *et al.*, *J.C.S.*, 1952, 1829, (*synth*)

Campbell, I.G.M. *et al.*, *J.C.S.*, 1955, 1662

Drapala, T., *Pol. J. Chem. (Rocz. Chem.)*, 1970, **44**, 61; 1974, **48**, 965, (*ir*)

Haase, W. *et al.*, *Acta Cryst. C*, 1991, **47**, 1541, (*cryst struct*)