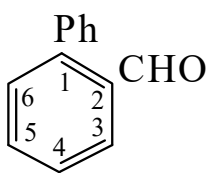




>>Entry Name: 2-Biphenylcarboxaldehyde, 8Cl

Synonym(s): Biphenyl-2-aldehyde. 2-Formylbiphenyl. *o*-Phenylbenzaldehyde



CAS Registry Number: 1203-68-5

Molecular Formula: C₁₃H₁₀O

Molecular Weight: 182.221

Accurate Mass: 182.073165

Percentage Composition: C 85.69%; H 5.53%; O 8.78%

Physical Description: Oil

Boiling Point: Bp₇ 150°. Bp_{0.1} 90-95°

>>Derivative: Oxime

CAS Registry Number: 2928-47-4

Molecular Formula: C₁₃H₁₁NO

Molecular Weight: 197.236

Accurate Mass: 197.084064

Percentage Composition: C 79.17%; H 5.62%; N 7.10%; O 8.11%

Physical Description: Needles (petrol)

Melting Point: Mp 118-120°

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Orange needles (xylene)

Melting Point: Mp 207-208.5°

>>Derivative: Di-Et acetal

Molecular Formula: C₁₇H₂₀O₂

Molecular Weight: 256.344

Accurate Mass: 256.14633

Percentage Composition: C 79.65%; H 7.86%; O 12.48%

Physical Description: Prisms

Melting Point: Mp 62-63°

References:

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Roomi, M.W. *et al.*, *Can. J. Chem.*, 1970, **48**, 139, (*synth*)

Cullen, K.E. *et al.*, *J.C.S. Perkin I*, 1993, 2961, (*synth, oxime, pmr, ir*)