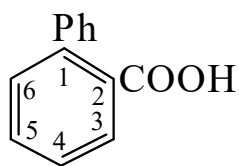




>>Entry Name: 2-Biphenylcarboxylic acid

Synonym(s): *o*-Phenylbenzoic acid



CAS Registry Number: 947-84-2

Molecular Formula: C₁₃H₁₀O₂

Molecular Weight: 198.221

Accurate Mass: 198.06808

Percentage Composition: C 78.77%; H 5.08%; O 16.14%

Melting Point: Mp 114°

Boiling Point: Bp 343-344°

pKa Value: pK_a 5.03 (EtOH aq.)

Aldrich: B3470-2

Fluka: 14418

>>Derivative: Me ester

CAS Registry Number: 16605-99-5

Molecular Formula: C₁₄H₁₂O₂

Molecular Weight: 212.248

Accurate Mass: 212.08373

Percentage Composition: C 79.23%; H 5.70%; O 15.08%

Melting Point: Mp 114-115°

Boiling Point: Bp 308°

>>Derivative: Et ester

CAS Registry Number: 19926-49-9

Molecular Formula: C₁₅H₁₄O₂

Molecular Weight: 226.274

Accurate Mass: 226.09938

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

Physical Description: Oil

Boiling Point: Bp 314°

>>Derivative: Nitrile

Synonym(s): 2-Cyanobiphenyl

CAS Registry Number: 24973-49-7

Molecular Formula: C₁₃H₉N

Molecular Weight: 179.221

Accurate Mass: 179.073499

Percentage Composition: C 87.12%; H 5.06%; N 7.82%

Physical Description: Cryst.

Melting Point: Mp 35-37°

Rare Chemicals Library: S5714-3

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