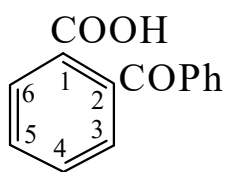




>>Entry Name: 2-Benzoylbenzoic acid, 9CI

Synonym(s): Benzophenone-2-carboxylic acid. Diphenylmethanone-2-carboxylic acid



CAS Registry Number: 85-52-9

Molecular Formula: $C_{14}H_{10}O_3$

Molecular Weight: 226.231

Accurate Mass: 226.062995

Percentage Composition: C 74.33%; H 4.46%; O 21.22%

Physical Description: Needles + 1H₂O (H₂O), cryst. (C₆H₆/petrol)

Melting Point: Mp 95° (hydrate). Mp 128° (anhyd.)

pKa Value: pK_a 3.43

Aldrich: B1238-5

Fluka: 12928

>>Derivative: Me ester

CAS Registry Number: 606-28-0

Molecular Formula: $C_{15}H_{12}O_3$

Molecular Weight: 240.258

Accurate Mass: 240.078645

Percentage Composition: C 74.99%; H 5.03%; O 19.98%

Physical Description: Prisms

Melting Point: Mp 52°

Boiling Point: Bp 352°

Rare Chemicals Library: S86535-4

>>Derivative: Et ester

CAS Registry Number: 604-61-5

Molecular Formula: $C_{16}H_{14}O_3$

Molecular Weight: 254.285

Accurate Mass: 254.094295

Percentage Composition: C 75.58%; H 5.55%; O 18.88%

Melting Point: Mp 58°

Rare Chemicals Library: S68136-9

>>Derivative: Chloride

CAS Registry Number: 22103-85-1

Molecular Formula: $C_{14}H_9ClO_2$

Molecular Weight: 244.677

Accurate Mass: 244.029107

Percentage Composition: C 68.73%; H 3.71%; Cl 14.49%; O 13.08%

Physical Description: Prisms

Melting Point: Mp 70°

Rare Chemicals Library: S30275-9

>>Derivative: Anhydride

Molecular Formula: $C_{28}H_{18}O_5$

Molecular Weight: 434.447

Accurate Mass: 434.115425

Percentage Composition: C 77.41%; H 4.18%; O 18.41%

Melting Point: Mp 140°