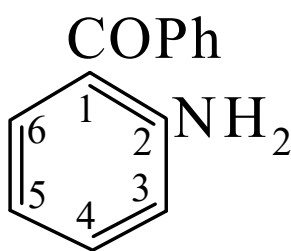




>>Entry Name: 2-Aminobenzophenone, 8Cl

Synonym(s): (2-Aminophenyl)phenylmethanone, 9Cl. *o*-Aminodiphenyl ketone. 2-Benzoylaniline



CAS Registry Number: 2835-77-0

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%

Use/Importance: Used as CHCl₃ soln. for extraction-photometric detn. of Pd ($\lambda_{\max}$ 475 nm, CHCl₃/benzyl alcohol)

Physical Description: Pale-yellow cryst. (EtOH)

Melting Point: Mp 110°

Solubility: Sol. CHCl₃, isopentanol, Et₂O; sl. sol. EtOH

Aldrich: A4120-8

Fluka: 7020

>>Derivative: Hydrochloride

CAS Registry Number: 40318-20-5

Physical Description: Needles

Melting Point: Mp 192-193 dec.°

>>Derivative: *N*-Ac

CAS Registry Number: 85-99-4

Molecular Formula: C₁₅H₁₃NO₂

Molecular Weight: 239.273

Accurate Mass: 239.094629

Percentage Composition: C 75.30%; H 5.48%; N 5.85%; O 13.37%

Use/Importance: Used as 4% soln. in EtOH for extraction-photometric detn. of Mo(*VI*)

Physical Description: Cryst. (EtOH aq. or toluene)

Melting Point: Mp 89°

Solubility: Sol. EtOH, Me₂CO, C₆H₆, CHCl₃

Aldrich: 12362-5

>>Derivative: *N*-Benzoyl

Synonym(s): 2'-Benzoylacetanilide, 9Cl

CAS Registry Number: 29670-64-2

Molecular Formula: C₂₀H₁₅NO₂

Molecular Weight: 301.344

Accurate Mass: 301.110279

Percentage Composition: C 79.72%; H 5.02%; N 4.65%; O 10.62%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 91°

Rare Chemicals Library: S32908-8

>>Derivative: (*E*)-Oxime

CAS Registry Number: 15185-37-2

Molecular Formula: C₁₃H₁₂N₂O

Molecular Weight: 212.251

Accurate Mass: 212.094963

Percentage Composition: C 73.57%; H 5.70%; N 13.20%; O 7.54%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 127°