



>>Entry Name: 4-Aminobenzophenone, 8CI
Synonym(s): (4-Aminophenyl)phenylmethanone, 9CI

CAS Registry Number: 1137-41-3

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: Leaflets (EtOH aq.)
Melting Point: Mp 124°
Boiling Point: Bp₁₃ 246°
Hazard & Toxicity: LD₅₀ (mus, ipr) 300 mg/kg

Aldrich: A4140-2
Fluka: 7030
Sigma: A6887

>>Derivative: Oxime

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. in two forms (EtOH or EtOH aq.)
Melting Point: Mp 126°. Mp 168°

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Cryst.
Melting Point: Mp 189-191°

>>Derivative: *N*-Ac

CAS Registry Number: 4834-61-1
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%
Physical Description: Needles (EtOH aq.)
Melting Point: Mp 156°

>>Derivative: *N*-Benzoyl

CAS Registry Number: 19617-84-6
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: Leaflets (EtOH)
Melting Point: Mp 152°

>>Derivative: *N*-Me

Synonym(s): 4-(Methylamino)benzophenone

CAS Registry Number: 26178-74-5
Molecular Formula: C₁₄H₁₃NO
Molecular Weight: 211.263
Accurate Mass: 211.099714
Percentage Composition: C 79.59%; H 6.20%; N 6.63%; O 7.57%
Physical Description: Yellow cryst. (petrol)
Melting Point: Mp 111° (82°)