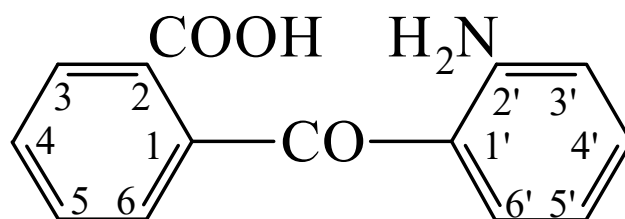




>>Entry Name: 2'-Aminobenzophenone-2-carboxylic acid

Synonym(s): 2-(2-Aminobenzoyl)benzoic acid, 9Cl. *o*-Anthraniloylbenzoic acid



CAS Registry Number: 1147-43-9

Molecular Formula: C₁₄H₁₁NO₃

Molecular Weight: 241.246

Accurate Mass: 241.073894

Percentage Composition: C 69.70%; H 4.60%; N 5.81%; O 19.90%

Physical Description: Yellow cryst. (EtOH aq.)

Melting Point: Mp 195 dec.°

Aldrich: 15327-3

Sigma: A2281

>>Derivative: Me ester

CAS Registry Number: 36259-21-9

Molecular Formula: C₁₅H₁₃NO₃

Molecular Weight: 255.273

Accurate Mass: 255.089544

Percentage Composition: C 70.58%; H 5.13%; N 5.49%; O 18.80%

Physical Description: Yellow cryst. (Et₂O)

Melting Point: Mp 115-117°

>>Derivative: Et ester

Molecular Formula: C₁₆H₁₅NO₃

Molecular Weight: 269.299

Accurate Mass: 269.105194

Percentage Composition: C 71.36%; H 5.61%; N 5.20%; O 17.82%

Physical Description: Cryst. (petrol)

Melting Point: Mp 71-72°

>>Derivative: Lactam

Molecular Formula: C₁₄H₉NO₂

Molecular Weight: 223.231

Accurate Mass: 223.063329

Percentage Composition: C 75.33%; H 4.06%; N 6.27%; O 14.33%

Melting Point: Mp 246-248°

>>Derivative: *N*-Me

CAS Registry Number: 36259-22-0

Molecular Formula: C₁₅H₁₃NO₃

Molecular Weight: 255.273

Accurate Mass: 255.089544

Percentage Composition: C 70.58%; H 5.13%; N 5.49%; O 18.80%

Physical Description: Yellow cryst. (MeOH)

Melting Point: Mp 207-208°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 240B, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 238A, (*nmr*)

Emrick, D.D. *et al.*, *J.O.C.*, 1961, **26**, 1329, (*synth*)

Walker, G.N. *et al.*, *J.O.C.*, 1972, **37**, 3755, (*synth*)