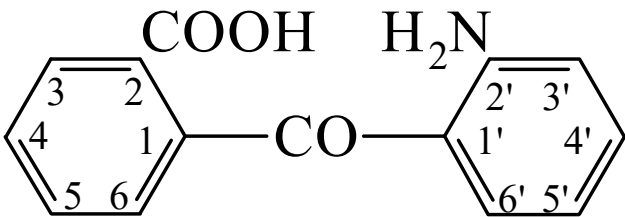




--Entry Name: 2'-Aminobenzophenone-2-carboxylic acid
Synonym(s): 2-(2-Aminobenzoyl)benzoic acid, *o*-Anthraniloylbenzoic acid



CAS Registry Number: 1147-43-9

Molecular Formula: C₁₃H₁₁NO₃
Molecular Weight: 241.246
Accurate Mass: 241.073884
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.^o

Aldrich: 15327-3
Sigma: A2281

--> Derivative: Me ester

CAS Registry Number: 36259-21-9
Molecular Formula: C₁₃H₁₁NO₃
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^o

--> Derivative: Et ester

Molecular Formula: C₁₅H₁₃NO₃
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^o

--> Derivative: Lactam

Molecular Formula: C₁₃H₁₁NO₂
Molecular Weight: 223.231
Accurate Mass: 223.063329
Percentage Composition: C 75.33%; H 4.00%; N 6.27%; O 14.33%
Melting Point: Mp 246-248^o

--> Derivative: N-Me

CAS Registry Number: 36259-22-0
Molecular Formula: C₁₃H₁₁NO₃
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^o

References:
Aldrich Library of FT-IR Spectra, 1st edn., 1985, 2, 240B, (ir)
Aldrich Library of NMR Spectra, 2nd edn., 1983, 2, 238A, (nmr)
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Walker, G.N. *et al.*, *J.O.C.*, 1972, **37**, 3755, (*synth*)