



>>Entry Name: Fluorenone-2-carboxylic acid

Synonym(s): 9-Oxo-9H-fluorene-2-carboxylic acid, 9Cl

CAS Registry Number: 784-50-9

Structure by analogy with Fluorenone-1-carboxylic acid, [BLK34-S](#)

Molecular Formula: C₁₄H₈O₃

Molecular Weight: 224.215

Accurate Mass: 224.047345

Percentage Composition: C 75.00%; H 3.60%; O 21.41%

Physical Description: Yellow needles (EtOH or AcOH)

Melting Point: Mp 340 subl.°

Aldrich: F153-0

>>Derivative: Me ester

CAS Registry Number: 3096-45-5

Molecular Formula: C₁₅H₁₀O₃

Molecular Weight: 238.242

Accurate Mass: 238.062995

Percentage Composition: C 75.62%; H 4.23%; O 20.15%

Physical Description: Yellow needles (MeOH)

Melting Point: Mp 182-184°

References:

- Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **2**, 245A, (*ir*)
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Bamberger, E. *et al.*, *Annalen*, 1885, **229**, 102-163, (*synth*)
Fortner, M., *Monatsh. Chem.*, 1904, **25**, 443-452, (*synth*)
Dziewoński, K. *et al.*, *CA*, 1931, **25**, 5416, (*synth*)
Kruher, O. *et al.*, *Ber.*, 1932, **65**, 1382-1396, (*synth*)
Ray, F.E. *et al.*, *J.A.C.S.*, 1943, **65**, 836-839, (*synth*)
Collins, M.J. *et al.*, *Aust. J. Chem.*, 1990, **43**, 1547-1557, (*synth, Me ester*)
Salmeron-Valverde, A. *et al.*, *Synth. Commun.*, 2000, **30**, 3997-4000, (*synth*)