



>>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: C<sub>14</sub>H<sub>8</sub>O<sub>3</sub>

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: C<sub>15</sub>H<sub>10</sub>O<sub>3</sub>

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*)  
*Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **2**, 1175B, (*nmr*)  
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*)