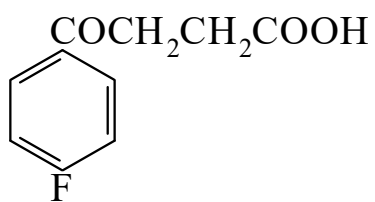




>>Entry Name: 4-(4-Fluorophenyl)-4-oxobutanoic acid

Synonym(s): 4-Fluoro-γ-oxobenzenebutanoic acid, 9Cl. 3-(4-Fluorobenzoyl)propionic acid, 8Cl



CAS Registry Number: 366-77-8

Molecular Formula: $\text{C}_{10}\text{H}_9\text{FO}_3$

Molecular Weight: 196.178

Accurate Mass: 196.053573

Percentage Composition: C 61.23%; H 4.62%; F 9.68%; O 24.47%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 100-102°

Aldrich: 17647-8

>>Derivative: Et ester

CAS Registry Number: 41310-80-9

Molecular Formula: $\text{C}_{12}\text{H}_{13}\text{FO}_3$

Molecular Weight: 224.231

Accurate Mass: 224.084873

Percentage Composition: C 64.28%; H 5.84%; F 8.47%; O 21.41%

Physical Description: Cryst. (C_6H_6 /petrol)

Melting Point: Mp 46-49°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 157C

Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 144C

Adcock, W. *et al.*, *J.A.C.S.*, 1967, **89**, 386, (*synth*)

Sindelar, K. *et al.*, *Coll. Czech. Chem. Comm.*, 1973, **38**, 3879, (*synth, pmr, ester*)