



>>Entry Name: 4,4-Difluoro-3-oxobutanoic acid

Synonym(s): 4,4-Difluoroacetoacetic acid

Related CAS Registry Numbers(s): 75631-78-6

F2CHCOCH2COOH

Molecular Formula: C4H4F2O3

Molecular Weight: 138.071

Accurate Mass: 138.012851

Percentage Composition: C 34.80%; H 2.92%; F 27.52%; O 34.76%

>>Derivative: Et ester

CAS Registry Number: 352-24-9

Molecular Formula: C6H8F2O3

Molecular Weight: 166.124

Accurate Mass: 166.044151

Percentage Composition: C 43.38%; H 4.85%; F 22.87%; O 28.89%

Melting Point: Mp 162°

Refractive Index: n_D^{20} 1.4018

Other Data: 53% enolised as pure liq. at r.t.

Other: Oakwood: 1566

References:

McBee, E.T. *et al.*, *J.A.C.S.*, 1953, **75**, 3152-3153, (*Et ester, synth*)

Filler, R. *et al.*, *J.O.C.*, 1961, **26**, 2571-2573, (*Et ester, tautom*)

Filler, R. *et al.*, *Tetrahedron*, 1963, **19**, 879, (*Et ester, ir, tautom*)