



>>Entry Name: 2-Ethyl-2-hydroxybutanoic acid, 9CI

CAS Registry Number: 3639-21-2

$(\text{H}_3\text{CCH}_2)_2\text{C}(\text{OH})\text{COOH}$

Molecular Formula: $\text{C}_6\text{H}_{12}\text{O}_3$

Molecular Weight: 132.159

Accurate Mass: 132.078645

Percentage Composition: C 54.53%; H 9.15%; O 36.32%

Physical Description: Cryst.

Melting Point: Mp 79-80°

pKa Value: $\text{p}K_{\text{a}}$ 3.8 (18°)

Aldrich: 13843-6

>>Derivative: Et ester

Molecular Formula: $\text{C}_8\text{H}_{16}\text{O}_3$

Molecular Weight: 160.213

Accurate Mass: 160.109945

Percentage Composition: C 59.98%; H 10.07%; O 29.96%

Boiling Point: Bp_{25} 76-78°

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 808B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 519D, (*ir*)

Cami, A. *et al.*, *J.O.C.*, 1960, **25**, 44, (*synth*)

Moersch, G.W. *et al.*, *Synthesis*, 1971, 647, (*synth*)