



>>Entry Name: 2-Hydroxyethyl acetoacetate, 8CI

Synonym(s): 2-Hydroxyethyl 3-oxobutanoate, 9CI

CAS Registry Number: 33736-01-5

H3CCOCH2COOCH2CH2OH

Molecular Formula: C₆H₁₀O₄

Molecular Weight: 146.143

Accurate Mass: 146.05791

Percentage Composition: C 49.31%; H 6.90%; O 43.79%

Physical Description: Yellow oil

>>Derivative: Me ether

Synonym(s): 2-Methoxyethyl acetoacetate

CAS Registry Number: 22502-03-0

Molecular Formula: C₇H₁₂O₄

Molecular Weight: 160.169

Accurate Mass: 160.07356

Percentage Composition: C 52.49%; H 7.55%; O 39.96%

Boiling Point: Bp₂₀ 118-120°

Density: d 1.09

Refractive Index: n_D²⁵ 1.4360

References:

Pratt, R.F. *et al.*, *J.A.C.S.*, 1970, **92**, 5956, (*derivs*)

Joslyn, A.F. *et al.*, *J. Med. Chem.*, 1988, **31**, 1489, (*synth, pmr, ir*)

Adams, E. *et al.*, *Tetrahedron*, 1990, **46**, 5975, (*synth, derivs, ir, pmr, ms*)