



>>Entry Name: **Bis(hydroxymethyl)propanedioic acid**, 9CI

Synonym(s): Bis(hydroxymethyl)malonic acid

$(\text{HOCH}_2)_2\text{C}(\text{COOH})_2$

Molecular Formula: $\text{C}_5\text{H}_8\text{O}_6$

Molecular Weight: 164.115

Accurate Mass: 164.03209

Percentage Composition: C 36.59%; H 4.91%; O 58.49%

>>**Derivative:** Di-Et ester

CAS Registry Number: 20605-01-0

Molecular Formula: $\text{C}_9\text{H}_{16}\text{O}_6$

Molecular Weight: 220.222

Accurate Mass: 220.09469

Percentage Composition: C 49.09%; H 7.32%; O 43.59%

Melting Point: Mp 50-52°

Aldrich: 19835-8

Fluka: 14922

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 1041A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 664D, (*ir*)

Kolesinska, J. *et al.*, *CA*, 1968, **69**, 66880t, (*synth*)

Dekmezian, A. *et al.*, *Synth. Commun.*, 1979, **9**, 431, (*synth*)