



>>Entry Name: 3-Hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 9CI
Synonym(s): 2,2-Bis(hydroxymethyl)propanoic acid. Dimethylolpropionic acid

CAS Registry Number: 4767-03-7
(HOCH₂)₂C(CH₃)COOH

Molecular Formula: C₅H₁₀O₄
Molecular Weight: 134.132
Accurate Mass: 134.05791
Percentage Composition: C 44.77%; H 7.51%; O 47.71%
Physical Description: Cryst. (H₂O)
Melting Point: Mp 189-191° (183°)

Aldrich: 10661-5
Fluka: 14925

>>Derivative: Me ester

CAS Registry Number: 17872-55-8
Molecular Formula: C₆H₁₂O₄
Molecular Weight: 148.158
Accurate Mass: 148.07356
Percentage Composition: C 48.64%; H 8.16%; O 43.20%
Boiling Point: Bp₃ 113-114°
Rare Chemicals Library: S65617-8

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 518A, (*ir*)
Aldrich Library of NMR Spectra, 2nd edn., 1983, **1**, 454A, (*nmr*)
Reimschneider, R. *et al.*, *CA*, 1958, **52**, 11779g, (*synth*)