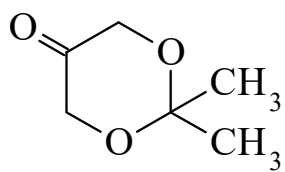




>>Entry Name: 2,2-Dimethyl-1,3-dioxan-5-one, 9CI



CAS Registry Number: 74181-34-3

Molecular Formula: C₆H₁₀O₃

Molecular Weight: 130.143

Accurate Mass: 130.062995

Percentage Composition: C 55.37%; H 7.74%; O 36.88%

Use/Importance: Synthetic equiv. of 1,3-Dihydroxy-2-propanone [HDN58-B](#)

Physical Description: Liq.

Boiling Point: Bp₂₃ 65°

Other Data: Readily hydrol.

References:

Araki, Y. *et al.*, *J.C.S. Perkin I*, 1981, 12, (*synth, ir, pmr*)

Majewski, M. *et al.*, *Can. J. Chem.*, 1995, **73**, 1616-1626, (*synth, pmr, cmr*)

Forbes, D.C. *et al.*, *Synthesis*, 1998, 879-882, (*synth, ir, pmr*)