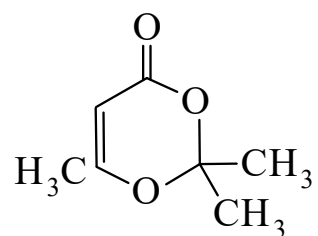




>>Entry Name: 2,2,6-Trimethyl-4*H*-1,3-dioxin-4-one, 9CI

Synonym(s): Diketene-acetone



CAS Registry Number: 5394-63-8

Molecular Formula: C₇H₁₀O₃

Molecular Weight: 142.154

Accurate Mass: 142.062995

Percentage Composition: C 59.14%; H 7.09%; O 33.76%

Use/Importance: β-Ketoester synthon

Melting Point: Mp 12-13°

Boiling Point: Bp₂ 65-67°

Aldrich: 29938-3

Fluka: 92430

References:

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Carroll, M.F. *et al.*, *J.A.C.S.*, 1953, **75**, 5400, (*synth*)

Boeckman, R.K. *et al.*, *J.O.C.*, 1982, **47**, 2823, (*synth, use*)

Dehmlow, E.V. *et al.*, *Annalen*, 1982, 1753, (*use*)

Sato, M. *et al.*, *Bull. Chem. Soc. Jpn.*, 1983, **56**, 1896

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