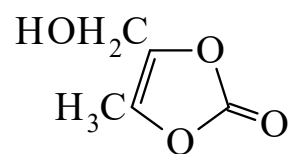




>>Entry Name: 4-Hydroxymethyl-5-methyl-1,3-dioxol-2-one, 9CI



CAS Registry Number: 91526-18-0

Molecular Formula: C₅H₆O₄

Molecular Weight: 130.1

Accurate Mass: 130.02661

Percentage Composition: C 46.16%; H 4.65%; O 49.19%

Use/Importance: Reagent for the introduction of the enzymically labile 5-methyl-2-oxo-1,3-dioxol-4-ylmethyl group which improves oral bioavailability of drugs

Physical Description: Oil

Boiling Point: Bp_{0.5} 107-108°

References:

Alpegiani, M. *et al.*, *Synth. Commun.*, 1992, **22**, 1277