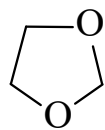




>>Entry Name: **1,3-Dioxolane**, 9CI

Synonym(s): Dihydro-1,3-dioxole. Glycol formal



CAS Registry Number: 646-06-0

Molecular Formula: $C_3H_6O_2$

Molecular Weight: 74.079

Accurate Mass: 74.03678

Percentage Composition: C 48.64%; H 8.16%; O 43.20%

Use/Importance: Formaldehyde source for Mannich reactions

Physical Description: Liq.

Melting Point: Fp -95°

Boiling Point: Bp₇₅₀ 78°

Solubility: Misc. H_2O

Density: d_4^{15} 1.066

Hazard & Toxicity: Highly flammable, fl. p. 2° (oc). Skin and severe eye irritant. LD₅₀ (rat, orl) 3000 mg/kg

Aldrich: 23979-8

Fluka: 42545

References:

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