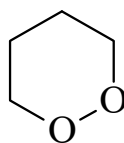




>>Entry Name: 1,2-Dioxane, 9CI

Synonym(s): *o*-Dioxane, 8CI



CAS Registry Number: 5703-46-8

Molecular Formula: C₄H₈O₂

Molecular Weight: 88.106

Accurate Mass: 88.05243

Percentage Composition: C 54.53%; H 9.15%; O 36.32%

Physical Description: Liq.

Melting Point: Mp 0 –40°

Boiling Point: Bp₁₁₀ 61.5°

Hazard & Toxicity: Potentially explosive

References:

Criegee, R. *et al.*, *Chem. Ber.*, 1956, **89**, 238, (*synth, ir*)

Saloman, M.F. *et al.*, *J.A.C.S.*, 1979, **101**, 4290, (*synth, ir, pmr, ms*)

Zagorski, M.G. *et al.*, *J.O.C.*, 1985, **50**, 4484, (*cmr, O-17 nmr*)