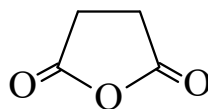




>>Entry Name: Dihydro-2,5-furandione, 9CI

Synonym(s): Succinic anhydride, 8CI. 2,5-Dioxotetrahydrofuran



CAS Registry Number: 108-30-5

Molecular Formula: C₄H₄O₃

Molecular Weight: 100.074

Accurate Mass: 100.016045

Percentage Composition: C 48.01%; H 4.03%; O 47.96%

Source/Synthesis: Manuf. by hydrol. of maleic anhydride

Use/Importance: Used for derivatisation of amino acids and peptides for ms anal. Cross-linking agent for epoxy resins

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 119-120°

Boiling Point: Bp 261°. Bp₅₀ 169°

Solubility: Insol. H₂O; sol. EtOH, CHCl₃

Hazard & Toxicity: Severe eye irritant. Corrosive on prolonged skin contact. LD₅₀ (rat, orl) 1510 mg/kg. Exp. teratogen

Aldrich: 23969-0

Fluka: 14090

Sigma: S7626

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