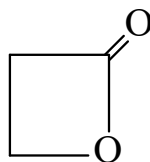




>>Entry Name: 2-Oxetanone, 9CI

Synonym(s): Propiolactone, BAN, INN, USAN. β -Propiolactone. Betaprone. Propanolide. NSC 21626



CAS Registry Number: 57-57-8

Molecular Formula: C₃H₄O₂

Molecular Weight: 72.063

Accurate Mass: 72.02113

Percentage Composition: C 50.00%; H 5.59%; O 44.40%

Use/Importance: Bactericide, fungicide and virucide, disinfectant. Reactive synthetic intermed.

Physical Description: Liq.

Melting Point: Mp -33.4°

Boiling Point: Bp 162° dec.. Bp₂₀ 61°. Bp₁₀ 51°

Solubility: Sol. H₂O

Density: d₄²⁰ 1.146

Refractive Index: n_D²⁰ 1.4135

Calculated Log P Data: Log P -1.36 (calc)

Other Data: Gives acid soln.

Hazard & Toxicity: Poss. human carcinogen. Skin irritant. LD₅₀ (mus, ipr) 405 mg/kg. Exp. carcinogen. Fl. p. 74/160°

Aldrich: 45760-4

Sigma: P7893

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