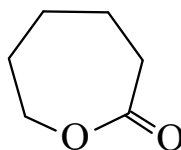




>>Entry Name: **2-Oxepanone**, 9CI

Synonym(s): 6-Hexanolactone. 6-Caprolactone. 6-Hydroxyhexanoic acid lactone. ϵ -Caprolactone



CAS Registry Number: 502-44-3

Molecular Formula: $C_6H_{10}O_2$

Molecular Weight: 114.144

Accurate Mass: 114.06808

Percentage Composition: C 63.14%; H 8.83%; O 28.03%

Source/Synthesis: Manuf. by Baeyer-Villiger oxidn. of cyclohexanone

Use/Importance: Anionic and cationic polym. gives poly(caprolactone). Intermed. for caprolactam

Melting Point: Mp -1°

Boiling Point: Bp 235° . Bp₂ 98-99 $^\circ$

Solubility: Misc. H_2O

Density: d^{20}_4 1.03

Refractive Index: n^{20}_D 1.4630

Hazard & Toxicity: Eye and skin irritant. LD₅₀ (rat, orl) 4290 mg/kg

Aldrich: 24129-6

Fluka: 21510

>>Derivative: Polymer with 1,4-dioxane-2,5-dione

Synonym(s): Poliglecaprone, INN. Poliglecaprone 25. Monocryl

CAS Registry Number: 41706-81-4

Biological Use/Importance: Synth. absorbable monofilament suture. Pharmaceutical aid

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