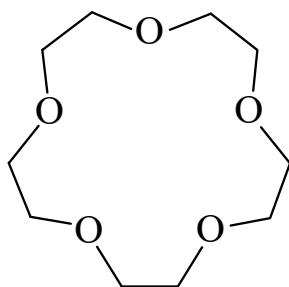




>>Entry Name: 15-Crown-5

Synonym(s): 1,4,7,10,13-Pentaoxacyclopentadecane, 9Cl, 8Cl



CAS Registry Number: 33100-27-5

Molecular Formula: C₁₀H₂₀O₅

Molecular Weight: 220.265

Accurate Mass: 220.131075

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

Use/Importance: Complexing agent for metal salts, enhancing reactivity and solubility of the metal ion. Used as a complexing agent for Na and other alkali metals

Physical Description: Viscous liq.

Boiling Point: Bp_{1.8} 115-116°

Solubility: Misc. H₂O

Density: d₄²⁵ 1.1

Other Data: Hygroscopic

Hazard & Toxicity: Eye and skin irritant. LD₅₀ (mus, orl) 1020 mg/kg. Exp. CNS effects

Aldrich: 18883-2

Fluka: 28123

Sigma: C2142

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