



>>Entry Name: **3-Chloro-1-propanol**, 9Cl

Synonym(s): Trimethylene chlorohydrin

CAS Registry Number: 627-30-5

Related CAS Registry Numbers(s): 26248-87-3

ClCH₂CH₂CH₂OH

Molecular Formula: C₃H₇ClO

Molecular Weight: 94.54

Accurate Mass: 94.018542

Percentage Composition: C 38.11%; H 7.46%; Cl 37.50%; O 16.92%

Physical Description: Liq.

Boiling Point: Bp 161-162°. Bp₆ 53°

Solubility: V. sol. H₂O

Density: d₄²⁰ 1.131

Refractive Index: n_D²⁰ 1.4469

Hazard & Toxicity: LD₅₀ (mus, orl) 2300 mg/kg. Fl. p. 74°

Aldrich: C4640-3

Fluka: 26090

Rare Chemicals Library: S44543-6

Sigma: C8512

>>Derivative: Ac

Synonym(s): 3-Chloropropyl acetate

CAS Registry Number: 628-09-1

Molecular Formula: C₅H₉ClO₂

Molecular Weight: 136.578

Accurate Mass: 136.029107

Percentage Composition: C 43.97%; H 6.64%; Cl 25.96%; O 23.43%

Boiling Point: Bp 166-170°. Bp₃₀ 80-81°

Refractive Index: n_D²⁰ 1.4290

Aldrich: 16656-1

>>Derivative: Benzoyl

CAS Registry Number: 942-95-0

Molecular Formula: C₁₀H₁₁ClO₂

Molecular Weight: 198.648

Accurate Mass: 198.044757

Percentage Composition: C 60.46%; H 5.58%; Cl 17.85%; O 16.11%

Boiling Point: Bp₂₂ 154-156°

>>Derivative: Me ether

Synonym(s): 1-Chloro-3-methoxypropane, 9Cl. 3-Chloro-1-propyl methyl ether

CAS Registry Number: 36215-07-3

Molecular Formula: C₄H₉ClO

Molecular Weight: 108.567

Accurate Mass: 108.034192

Percentage Composition: C 44.25%; H 8.36%; Cl 32.66%; O 14.74%

Physical Description: Liq.

Boiling Point: Bp_{756.599976} 110.4-110.6°

Density: d₄²⁰ 1.001

Refractive Index: n_D²⁰ 1.4131

References: