



Molecular Formula: C₃H₆O₂

Molecular Weight: 74.079

Accurate Mass: 74.03678

Percentage Composition: C 48.64%; H 8.16%; O 43.20%

Physical Description: Liq.

Boiling Point: Bp 166-167° (dec.). Bp_{2.5} 65-66°

Solubility: Sol. H₂O, most org. solvs.; spar. sol. petrol

Density: d₂₅²⁵ 1.14

Refractive Index: n_D²⁵ 1.4302

Other Data: Undergoes cationic polym. Anionic polym. gives a rearranged polymer

>>Derivative: Ac

CAS Registry Number: 6387-89-9

Molecular Formula: C₅H₈O₃

Molecular Weight: 116.116

Accurate Mass: 116.047345

Percentage Composition: C 51.72%; H 6.94%; O 41.34%

Physical Description: Liq.

Boiling Point: Bp 168-169°

>>Derivative: 2-Propenoyl

>>Derivative: 2-Methylpropenoyl

>>Derivative: 4-Nitrobenzoyl

CAS Registry Number: 13318-11-1

Melting Point: Mp 56°

>>Derivative: 4-Methylbenzenesulfonyl

CAS Registry Number: 118712-54-2

Extra CAS Registry Numbers(s): 6746-81-2 113826-06-5

Molecular Formula: C₁₀H₁₂O₄S

Molecular Weight: 228.268

Accurate Mass: 228.04563

Percentage Composition: C 52.62%; H 5.30%; O 28.04%; S 14.05%

Physical Description: Cryst.

Melting Point: Mp 37.5-39°

Boiling Point: Bp₂ 167-172°

>>Derivative: Me ether

Synonym(s): (Methoxymethyl)oxirane, 9CI. 2,3-Epoxypropyl methyl ether. Glycidyl methyl ether

CAS Registry Number: 930-37-0

Molecular Formula: C₄H₈O₂

Molecular Weight: 88.106

Accurate Mass: 88.05243

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

Physical Description: Oil

Boiling Point: Bp 115-118°

Solubility: Sol. H₂O