



Molecular Formula: C₄H₆O₃
Molecular Weight: 102.09
Accurate Mass: 102.031695
Percentage Composition: C 47.06%; H 5.92%; O 47.02%
Boiling Point: Bp₃₅ 49°. Bp 130°
Fluka: 50705

>>Derivative: Et ester, 2,4-dinitrophenylhydrazone

CAS Registry Number: 13217-17-9
Melting Point: Mp 124.5-125.5°

>>Derivative: Et ester, semicarbazone

Melting Point: Mp 228°

>>Derivative: Isopropyl ester
Synonym(s): Isopropyl glyoxylate

CAS Registry Number: 924-53-8
Molecular Formula: C₅H₈O₃
Molecular Weight: 116.116
Accurate Mass: 116.047345
Percentage Composition: C 51.72%; H 6.94%; O 41.34%
Boiling Point: Bp₁₈ 34-36°

>>Derivative: Butyl ester

CAS Registry Number: 6295-06-3
Molecular Formula: C₆H₁₀O₃
Molecular Weight: 130.143
Accurate Mass: 130.062995
Percentage Composition: C 55.37%; H 7.74%; O 36.88%
Physical Description: Oil
Boiling Point: Bp₅ 68-69°
Density: d₄²⁵ 1.09
Refractive Index: n_D²⁰ 1.4420

>>Derivative: *tert*-Butyl ester

CAS Registry Number: 7633-32-1
Molecular Formula: C₆H₁₀O₃
Molecular Weight: 130.143
Accurate Mass: 130.062995
Percentage Composition: C 55.37%; H 7.74%; O 36.88%
Physical Description: Viscous oil
Boiling Point: Bp₁₂ 49°

>>Derivative: Benzyl ester

CAS Registry Number: 52709-42-9
Molecular Formula: C₉H₈O₃
Molecular Weight: 164.16
Accurate Mass: 164.047345
Percentage Composition: C 65.85%; H 4.91%; O 29.24%
Physical Description: Viscous liq.
Boiling Point: Bp_{0.1} 90° (Kugelrohr)

>>Derivative: 4-Nitrobenzyl ester
Synonym(s): *p*-Nitrobenzyl glyoxylate

CAS Registry Number: 64370-35-0
Molecular Formula: C₉H₇NO₅
Molecular Weight: 209.158
Accurate Mass: 209.032424
Percentage Composition: C 51.68%; H 3.37%; N 6.70%; O 38.25%
Physical Description: Solid + 1 H₂O
Melting Point: Mp 80-88° (monohydrate)