



CAS Registry Number: 818-38-2
Molecular Formula: $C_9H_{16}O_4$
Molecular Weight: 188.223
Accurate Mass: 188.10486
Percentage Composition: C 57.43%; H 8.57%; O 34.00%
Physical Description: Liq.
Boiling Point: Bp 235-237°. Bp₂₀ 110-112°
Aldrich: D9600-6
Sigma: G6631

>>**Derivative:** Monoisopropyl ester
Synonym(s): Isopropyl hydrogen glutarate

CAS Registry Number: 53594-71-1
Molecular Formula: $C_8H_{14}O_4$
Molecular Weight: 174.196
Accurate Mass: 174.08921
Percentage Composition: C 55.16%; H 8.10%; O 36.74%
Physical Description: Oil
Boiling Point: Bp_{0.1} 98-103°

>>**Derivative:** Monobenzyl ester
Synonym(s): Benzyl hydrogen glutarate

CAS Registry Number: 54322-10-0
Molecular Formula: $C_{12}H_{14}O_4$
Molecular Weight: 222.24
Accurate Mass: 222.08921
Percentage Composition: C 64.85%; H 6.35%; O 28.80%
Physical Description: Oil
Boiling Point: Bp_{0.05} 153-155°

>>**Derivative:** Chloride-Me ester
Synonym(s): Methyl 5-chloro-5-oxopentanoate

CAS Registry Number: 1501-26-4
Molecular Formula: $C_6H_9ClO_3$
Molecular Weight: 164.588
Accurate Mass: 164.024022
Percentage Composition: C 43.79%; H 5.51%; Cl 21.54%; O 29.16%
Boiling Point: Bp₁₄ 100°
Refractive Index: n_D²⁵ 1.4446

>>**Derivative:** Dichloride
Synonym(s): Glutaroyl dichloride

CAS Registry Number: 2873-74-7
Molecular Formula: $C_5H_6Cl_2O_2$
Molecular Weight: 169.007
Accurate Mass: 167.974484
Percentage Composition: C 35.53%; H 3.58%; Cl 41.95%; O 18.93%
Use/Importance: Monomer for polyesters and polyamides
Physical Description: Oil
Boiling Point: Bp 216-218°. Bp₅ 88°
Density: d²⁰ 1.324
Refractive Index: n_D²⁰ 1.4710
Hazard & Toxicity: Lachrymator
Aldrich: G460-8
Fluka: 49710
Sigma: G8264