



Fluka: 14150
Sigma: S0755

>>Derivative: Mono-Et ester

CAS Registry Number: 1070-34-4
Molecular Formula: $C_6H_{10}O_4$
Molecular Weight: 146.143
Accurate Mass: 146.05791
Percentage Composition: C 49.31%; H 6.90%; O 43.79%
Melting Point: Mp -22°
Boiling Point: Bp 217° . Bp₁₀ 139-140°
pKa Value: pK_a 4.52 (25°, H₂O)

>>Derivative: Di-Et ester

Synonym(s): Diethyl succinate. Ethyl succinate

CAS Registry Number: 123-25-1
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%
Use/Importance: Flavour ingredient
Melting Point: Mp -21°
Boiling Point: Bp 217.7° . Bp₁₅ 105°
Solubility: Insol. H₂O; sol. EtOH, Et₂O, Me₂CO
Density: d₄²⁵ 1.04
Refractive Index: n_D²⁰ 1.4201
Hazard & Toxicity: Fl. p. 90°. Skin and eye irritant. LD₅₀ (rat, orl) 8530 mg/kg

Aldrich: W23770-1
Fluka: 14100

>>Derivative: Monopropyl ester

CAS Registry Number: 6946-88-9
Molecular Formula: $C_7H_{12}O_4$
Molecular Weight: 160.169
Accurate Mass: 160.07356
Percentage Composition: C 52.49%; H 7.55%; O 39.96%
Melting Point: Mp 15°
Boiling Point: Bp₃ 126°
Density: d²⁰ 1.107
Refractive Index: n_D²⁰ 1.4343

>>Derivative: Dipropyl ester

Synonym(s): Dipropyl succinate. Propyl succinate

CAS Registry Number: 925-15-5
Molecular Formula: $C_{10}H_{18}O_4$
Molecular Weight: 202.25
Accurate Mass: 202.12051
Percentage Composition: C 59.39%; H 8.97%; O 31.64%
Melting Point: Mp -11°
Boiling Point: Bp 248°
Solubility: Sol. Me₂CO, C₆H₆, Et₂O
Density: d²⁰ 1.002
Refractive Index: n_D²⁰ 1.4250