



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