



CAS Registry Number: 52267-39-7
Molecular Formula: C₁₁H₁₂O₄
Molecular Weight: 208.213
Accurate Mass: 208.07356
Percentage Composition: C 63.45%; H 5.81%; O 30.74%
Boiling Point: Bp_{0.5} 125°
Refractive Index: n_D²⁰ 1.5020
Aldrich: 30553-7

>>Derivative: Mono-Et ester

CAS Registry Number: 1071-46-1
Molecular Formula: C₅H₈O₄
Molecular Weight: 132.116
Accurate Mass: 132.04226
Percentage Composition: C 45.46%; H 6.10%; O 48.44%
Boiling Point: Bp₁₈ 146°
Solubility: Sol. H₂O, Et₂O
Density: d₁₉¹⁹ 1.18
pKa Value: pK_{a1} 3.34 (25°,H₂O)
Aldrich: 44508-8

>>Derivative: Di-Et ester

>>Derivative: Et-*tert*-butyl ester
Synonym(s): *tert*-Butyl ethyl malonate, 8CI. 1,1-Dimethylethyl ethyl propanedioate, 9CI

CAS Registry Number: 32864-38-3
Molecular Formula: C₉H₁₆O₄
Molecular Weight: 188.223
Accurate Mass: 188.10486
Percentage Composition: C 57.43%; H 8.57%; O 34.00%
Physical Description: Liq.
Boiling Point: Bp₁₇ 98-99°
Aldrich: 30664-9
Fluka: 63300

>>Derivative: Et-trimethylsilyl ester, Li deriv
Synonym(s): (2-Ethoxycarbonyl-2-lithioacetoxy)trimethylsilane. Trimethylsilyl 2-lithio-2-carbethoxyacetate

Molecular Formula: C₈H₁₅LiO₄Si
Molecular Weight: 210.231
Accurate Mass: 210.089965
Percentage Composition: C 45.71%; H 7.19%; Li 3.30%; O 30.44%; Si 13.36%
Use/Importance: Reagent for synth. of β-ketoesters
Other Data: Formulated as Me₃SiOOCCHLiCOOEt

>>Derivative: Et-benzyl ester

CAS Registry Number: 42998-51-6
Molecular Formula: C₁₂H₁₄O₄
Molecular Weight: 222.24
Accurate Mass: 222.08921
Percentage Composition: C 64.85%; H 6.35%; O 28.80%
Use/Importance: Used for 2-carbon homologations
Boiling Point: Bp 138-139°
Refractive Index: n_D²⁰ 1.5000
Aldrich: 30069-1
Fluka: 63302