



Aldrich: 34749-3

>> **Derivative:** 2-Nitroethyl ester

Molecular Formula: C₆H₉NO₄

Molecular Weight: 159.141

Accurate Mass: 159.053159

Percentage Composition: C 45.28%; H 5.70%; N 8.80%; O 40.21%

Boiling Point: Bp₁₀ 115°

Density: d²⁵ 1.16

Refractive Index: n_D²⁵ 1.4519

>> **Derivative:** 2-Nitratoethyl ester

CAS Registry Number: 16131-18-3

Molecular Formula: C₆H₉NO₅

Molecular Weight: 175.141

Accurate Mass: 175.048074

Percentage Composition: C 41.15%; H 5.18%; N 8.00%; O 45.68%

Boiling Point: Bp₃ 90-95°

Density: d²⁵ 1.21

Refractive Index: n_D²⁵ 1.4518

>> **Derivative:** 2-Cyanoethyl ester

CAS Registry Number: 4513-53-5

Molecular Formula: C₇H₉NO₂

Molecular Weight: 139.154

Accurate Mass: 139.063329

Percentage Composition: C 60.42%; H 6.52%; N 10.07%; O 23.00%

Boiling Point: Bp₂ 95-97°

Density: d₄²⁰ 1.05

Refractive Index: n_D²⁰ 1.4454

Other: PB: C28600

>> **Derivative:** Cyclobutylmethyl ester

Molecular Formula: C₉H₁₄O₂

Molecular Weight: 154.208

Accurate Mass: 154.09938

Percentage Composition: C 70.10%; H 9.15%; O 20.75%

Boiling Point: Bp_{2.92} 50°

>> **Derivative:** Cyclopentyl ester

CAS Registry Number: 16868-14-7

Molecular Formula: C₉H₁₄O₂

Molecular Weight: 154.208

Accurate Mass: 154.09938

Percentage Composition: C 70.10%; H 9.15%; O 20.75%

Boiling Point: Bp₂₇ 84-85°

Density: d₄²⁵ 0.96

Refractive Index: n_D²⁵ 1.4504

>> **Derivative:** Cyclohexyl ester

CAS Registry Number: 101-43-9

Molecular Formula: C₁₀H₁₆O₂

Molecular Weight: 168.235

Accurate Mass: 168.11503

Percentage Composition: C 71.39%; H 9.59%; O 19.02%

Boiling Point: Bp₅ 72°

Density: d²⁰ 0.96

Refractive Index: n_D²⁰ 1.4585

Aldrich: 40896-4

Rare Chemicals Library: S34498-2

Sigma: M1032