



Boiling Point: Bp_{0.5} 98°
Density: d₄²⁰ 1.1
Refractive Index: n_D²⁰ 1.5210

>>**Derivative:** Benzyl ester
Synonym(s): Benzyl diethylphosphinate

CAS Registry Number: 13274-91-4

Molecular Formula: C₁₁H₁₇O₂P
Molecular Weight: 212.228
Accurate Mass: 212.096617
Percentage Composition: C 62.25%; H 8.07%; O 15.08%; P 14.59%
Physical Description: Liq.
Boiling Point: Bp_{0.5} 133-135°
Other Data: Dec. at 180°

>>**Derivative:** Trimethylsilyl ester
Synonym(s): Trimethylsilyl diethylphosphinate

CAS Registry Number: 42346-39-4

Molecular Formula: C₇H₁₉O₂PSi
Molecular Weight: 194.285
Accurate Mass: 194.089194
Percentage Composition: C 43.28%; H 9.86%; O 16.47%; P 15.94%; Si 14.46%
Boiling Point: Bp₁ 83-84°. Bp_{0.06} 40-41°

>>**Derivative:** Fluoride

CAS Registry Number: 756-78-5

Molecular Formula: C₄H₁₀FOP
Molecular Weight: 124.094
Accurate Mass: 124.04533
Percentage Composition: C 38.72%; H 8.12%; F 15.31%; O 12.89%; P 24.96%
Physical Description: No phys. props. reported

>>**Derivative:** Chloride

CAS Registry Number: 1112-37-4

Molecular Formula: C₄H₁₀ClOP
Molecular Weight: 140.549
Accurate Mass: 140.015779
Percentage Composition: C 34.18%; H 7.17%; Cl 25.22%; O 11.38%; P 22.04%
Physical Description: Liq.
Boiling Point: Bp₂₀ 120-122°. Bp_{0.7} 62.5-64.5°
Density: d₄²⁰ 1.14
Refractive Index: n_D²⁰ 1.4680

>>**Derivative:** Azide

CAS Registry Number: 20495-46-9

Molecular Formula: C₄H₁₀N₃OP
Molecular Weight: 147.116
Accurate Mass: 147.056149
Percentage Composition: C 32.66%; H 6.85%; N 28.56%; O 10.88%; P 21.05%
Physical Description: Liq.
Boiling Point: Bp₈ 97°