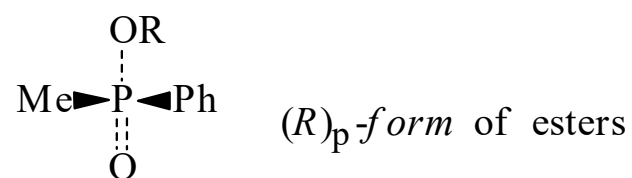




>>Entry Name: Methylphenylphosphinic acid, 9Cl, 8Cl



CAS Registry Number: 4271-13-0

Related CAS Registry Numbers(s): 657-37-4 4583-37-3 5761-97-7 6389-79-3 7301-81-7 14365-34-5 35691-25-9 69423-54-7

Molecular Formula: C₇H₉O₂P

Molecular Weight: 156.121

Accurate Mass: 156.034017

Percentage Composition: C 53.85%; H 5.81%; O 20.50%; P 19.84%

>>Variant: (R)-form

Molecular Formula: C₇H₉O₂P

Molecular Weight: 156.121

Accurate Mass: 156.034017

Percentage Composition: C 53.85%; H 5.81%; O 20.50%; P 19.84%

>>Derivative: Me ester

Synonym(s): Methyl methylphenylphosphinate

CAS Registry Number: 34647-07-9

Molecular Formula: C₈H₁₁O₂P

Molecular Weight: 170.147

Accurate Mass: 170.049667

Percentage Composition: C 56.47%; H 6.52%; O 18.81%; P 18.20%

Physical Description: Liq.

Boiling Point: Bp_{0.2} 75°

Optical Rotation: [α]_D +56 (c, 4 in C₆H₆) (100% op). [α]_D +49 (c, 1.7 in MeOH). [α]_D +57 (CHCl₃)

>>Derivative: Et ester

Synonym(s): Ethyl methylphenylphosphinate

CAS Registry Number: 34638-79-4

Molecular Formula: C₉H₁₃O₂P

Molecular Weight: 184.174

Accurate Mass: 184.065317

Percentage Composition: C 58.69%; H 7.11%; O 17.37%; P 16.82%

Physical Description: Liq.

Boiling Point: Bp_{0.02} 76°

Optical Rotation: [α]_D +49 (c, 4 in C₆H₆) (100% op)

>>Derivative: Isopropyl ester

Synonym(s): Isopropyl methylphenylphosphinate

CAS Registry Number: 18944-66-6

Molecular Formula: C₁₀H₁₅O₂P

Molecular Weight: 198.201

Accurate Mass: 198.080967

Percentage Composition: C 60.60%; H 7.63%; O 16.14%; P 15.63%

Physical Description: Liq.

Boiling Point: Bp_{0.04} 75°

Optical Rotation: [α]_D¹¹ +46 (c, 0.87 in C₆H₆). [α]_D²⁵ +35.7 (c, 2.3 in C₆H₆) (66% op)

>>Derivative: 4-Nitrophenyl ester

Synonym(s): 4-Nitrophenyl methylphenylphosphinate

CAS Registry Number: 85473-89-8