



Accurate Mass: 370.148652

Percentage Composition: C 81.06%; H 6.26%; O 4.32%; P 8.36%

Physical Description: Cryst. (cyclohexane)

Melting Point: Mp 162°

Other Data: Stable in vacuo; instantly hydrolysed in air. At 170-180° → MeOH, C₆H₆, Ph₃P, and methoxybenzene

>>Derivative: Tetrafluoroborate

CAS Registry Number: 426-79-9

Molecular Formula: C₂₄H₂₀BF₄P

Molecular Weight: 426.2

Accurate Mass: 426.133179

Percentage Composition: C 67.64%; H 4.73%; B 2.54%; F 17.83%; P 7.27%

Physical Description: Solid

Melting Point: Mp 345°

>>Derivative: Tetraphenylborate

CAS Registry Number: 15525-15-2

Molecular Formula: C₄₈H₄₀BP

Molecular Weight: 658.629

Accurate Mass: 658.296067

Percentage Composition: C 87.53%; H 6.12%; B 1.64%; P 4.70%

Use/Importance: Catalyst for crosslinking of epoxy resins and for thermoplastic hardening

Physical Description: Cryst. (DMF)

Fluka: 88065

>>Derivative: Hexachloroarsenate

CAS Registry Number: 130101-71-2

Molecular Formula: C₂₄H₂₀AsCl₆P

Molecular Weight: 627.034

Accurate Mass: 623.864968

Percentage Composition: C 45.97%; H 3.21%; As 11.95%; Cl 33.92%; P 4.94%

Physical Description: Yellow cryst.

>>Derivative: Phenylthiolate

Molecular Formula: C₃₀H₂₅PS

Molecular Weight: 448.567

Accurate Mass: 448.141457

Percentage Composition: C 80.33%; H 5.62%; P 6.91%; S 7.15%

Physical Description: Lemon yellow cryst.

Melting Point: Mp 146 dec.°

>>Derivative: Nitrite

Molecular Formula: C₂₄H₂₀NO₂P

Molecular Weight: 385.401

Accurate Mass: 385.123166

Percentage Composition: C 74.80%; H 5.23%; N 3.63%; O 8.30%; P 8.04%

Physical Description: Cryst. (CHCl₃/Et₂O)

Melting Point: Mp 224.5-225°

Other Data: Also exists in coordinated form, Mp 296-297°, and in molecular form