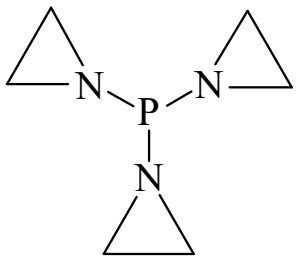
>>**Entry Name: Tri-(1-aziridinyl)phosphine**
Synonym(s): 1,1',1"-Phosphinidynetrisaziridine, 9Cl



CAS Registry Number: 1194-53-2

Molecular Formula: $C_6H_{12}N_3P$
Molecular Weight: 157.155
Accurate Mass: 157.076884
Percentage Composition: C 45.86%; H 7.70%; N 26.74%; P 19.71%
Physical Description: Liq.
Boiling Point: Bp_{10} 82-83°
Density: d_4^{20}1.1
Refractive Index: n_D^{20} 1.5279
Hazard & Toxicity: May explode when heated to 120°

>>**Derivative:** Oxide
Synonym(s): 1,1',1"-Phosphinylidynetrisaziridine. Triethylenephosphoric triamide. Tepa

CAS Registry Number: 545-55-1

Molecular Formula: $C_6H_{12}N_3OP$
Molecular Weight: 173.154
Accurate Mass: 173.071799
Percentage Composition: C 41.62%; H 6.98%; N 24.27%; O 9.24%; P 17.89%
Use/Importance: Insect sterilant, polymer crosslinking agent, fireproofer. Thiotepa metabolite
Physical Description: Solid
Melting Point: Mp 41°
Boiling Point: $Bp_{0.3}$ 90-91°
Solubility: Sol. H_2O
Hazard & Toxicity: Corrosive and irritating to all tissues. LD_{50} (rat, orl) 37 mg/kg; LD_{50} (rat, skn) 87 mg/kg. Exp. carcinogen. Exp. reprod. and teratogenic effects

>>**Derivative:** Sulfide

>>**Derivative:** Selenide
Synonym(s): 1,1',1"-Phosphinoselenoylidynetrisaziridine

CAS Registry Number: 68064-15-3

Molecular Formula: $C_6H_{12}N_3PSe$
Molecular Weight: 236.115
Accurate Mass: 236.993404
Percentage Composition: C 30.52%; H 5.12%; N 17.80%; P 13.12%; Se 33.44%
Physical Description: Cryst. (C_6H_6/petrol)
Melting Point: Mp 74-75°

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