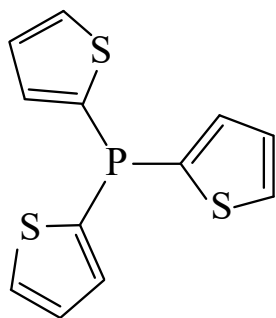




>>Entry Name: Tri-2-thienylphosphine, 9Cl



CAS Registry Number: 24171-89-9

Molecular Formula: C₁₂H₉PS₃

Molecular Weight: 280.375

Accurate Mass: 279.960397

Percentage Composition: C 51.41%; H 3.24%; P 11.05%; S 34.31%

Use/Importance: Ligand for Hg, Pt, Pd

Physical Description: Low-melting solid

Melting Point: Mp 35°

Boiling Point: Bp₂ 205°

Rare Chemicals Library: S28472-6

>>Derivative: Methiodide

Synonym(s): Methyltri-2-thienylphosphonium iodide

Molecular Formula: C₁₃H₁₂IPS₃

Molecular Weight: 422.314

Accurate Mass: 421.888345

Percentage Composition: C 36.97%; H 2.86%; I 30.05%; P 7.33%; S 22.78%

Physical Description: Solid

Melting Point: Mp 185-186°

>>Derivative: Oxide

CAS Registry Number: 1021-21-2

Molecular Formula: C₁₂H₉OPS₃

Molecular Weight: 296.374

Accurate Mass: 295.955312

Percentage Composition: C 48.63%; H 3.06%; O 5.40%; P 10.45%; S 32.46%

Physical Description: Cryst. (MeOH/hexane)

Melting Point: Mp 130°

>>Derivative: Sulfide

Molecular Formula: C₁₂H₉PS₄

Molecular Weight: 312.441

Accurate Mass: 311.932467

Percentage Composition: C 46.13%; H 2.90%; P 9.91%; S 41.05%

Physical Description: Needles (EtOH)

Melting Point: Mp 138°

>>Derivative: Selenide

CAS Registry Number: 26910-74-7

Molecular Formula: C₁₂H₉PS₃Se

Molecular Weight: 359.335

Accurate Mass: 359.876917

Percentage Composition: C 40.11%; H 2.52%; P 8.62%; S 26.77%; Se 21.97%

Physical Description: Solid

Melting Point: Mp 150-151°

References: