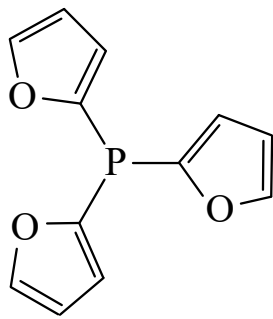




>>Entry Name: Tri-2-furanylphosphine, 9CI

Synonym(s): Tri-2-furylphosphine



CAS Registry Number: 5518-52-5

Molecular Formula: C<sub>12</sub>H<sub>9</sub>O<sub>3</sub>P

Molecular Weight: 232.175

Accurate Mass: 232.028932

Percentage Composition: C 62.08%; H 3.91%; O 20.67%; P 13.34%

Physical Description: Cryst. (C<sub>6</sub>H<sub>6</sub>/hexane)

Melting Point: Mp 63°

Boiling Point: Bp<sub>4</sub> 136°

Aldrich: 38376-7

>>Derivative: Methiodide

Synonym(s): Methyl(tri-2-furanyl)phosponium iodide

Molecular Formula: C<sub>13</sub>H<sub>12</sub>IO<sub>3</sub>P

Molecular Weight: 374.114

Accurate Mass: 373.95688

Percentage Composition: C 41.74%; H 3.23%; I 33.92%; O 12.83%; P 8.28%

Melting Point: Mp 104-105°

>>Derivative: Oxide

CAS Registry Number: 1021-20-1

Molecular Formula: C<sub>12</sub>H<sub>9</sub>O<sub>4</sub>P

Molecular Weight: 248.174

Accurate Mass: 248.023847

Percentage Composition: C 58.08%; H 3.66%; O 25.79%; P 12.48%

Physical Description: Cryst. (C<sub>6</sub>H<sub>6</sub>/hexane)

Melting Point: Mp 119°

>>Derivative: Sulfide

CAS Registry Number: 5518-70-7

Molecular Formula: C<sub>12</sub>H<sub>9</sub>O<sub>3</sub>PS

Molecular Weight: 264.241

Accurate Mass: 264.001002

Percentage Composition: C 54.55%; H 3.43%; O 18.16%; P 11.72%; S 12.14%

Physical Description: Cryst. (C<sub>6</sub>H<sub>6</sub>/hexane)

Melting Point: Mp 151°

>>Derivative: Selenide

CAS Registry Number: 5593-72-6

Molecular Formula: C<sub>12</sub>H<sub>9</sub>O<sub>3</sub>PSe

Molecular Weight: 311.135

Accurate Mass: 311.945452

Percentage Composition: C 46.32%; H 2.92%; O 15.43%; P 9.96%; Se 25.38%

Physical Description: Cryst. (C<sub>6</sub>H<sub>6</sub>/hexane or EtOH)

Melting Point: Mp 107°. Mp 174°

References: