



Accurate Mass: 301.264684
Percentage Composition: C 63.75%; H 12.04%; N 13.94%; P 10.27%
Physical Description: Oil

>>**Derivative:** Methanesulfonate

CAS Registry Number: 98342-59-7

Molecular Formula: C₁₇H₃₉O₃PS
Molecular Weight: 354.533
Accurate Mass: 354.235752
Percentage Composition: C 57.59%; H 11.09%; O 13.54%; P 8.74%; S 9.04%
Physical Description: Cryst.
Melting Point: Mp 46-47°
Fluka: 86929

>>**Derivative:** Sulfate (1:1)

CAS Registry Number: 108203-01-6

Molecular Formula: C₁₆H₃₇O₄PS
Molecular Weight: 356.506
Accurate Mass: 356.215017
Percentage Composition: C 53.91%; H 10.46%; O 17.95%; P 8.69%; S 8.99%
Melting Point: Mp 122-124°
Fluka: 86925

>>**Derivative:** Fluoride

CAS Registry Number: 10093-38-6

Molecular Formula: C₁₆H₃₆FP
Molecular Weight: 278.432
Accurate Mass: 278.253865
Percentage Composition: C 69.02%; H 13.03%; F 6.82%; P 11.12%
Physical Description: Oil

>>**Derivative:** Hydrogen difluoride

CAS Registry Number: 121240-56-0

Molecular Formula: C₁₆H₃₇F₂P
Molecular Weight: 298.439
Accurate Mass: 298.260093
Percentage Composition: C 64.39%; H 12.50%; F 12.73%; P 10.38%
Physical Description: Liq. or cryst. (CCl₄)
Melting Point: Mp 32°

>>**Derivative:** Dihydrogen trifluoride

CAS Registry Number: 121240-58-2

Molecular Formula: C₁₆H₃₈F₃P
Molecular Weight: 318.445
Accurate Mass: 318.266321
Percentage Composition: C 60.35%; H 12.03%; F 17.90%; P 9.73%
Physical Description: Oil

>>**Derivative:** Hydroxide

CAS Registry Number: 14518-69-5
Molecular Formula: C₁₆H₃₇OP
Molecular Weight: 276.441
Accurate Mass: 276.258202
Percentage Composition: C 69.52%; H 13.49%; O 5.79%; P 11.20%
Use/Importance: Starting material for other tetrabutylphosphonium salts
Other Data: Prepd. as an aq. soln.
Aldrich: 43829-4
Fluka: 86928