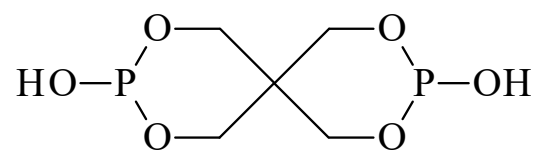




>>Entry Name: 3,9-Dihydroxy-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane, 9Cl

Synonym(s): Pentaerythritol diphosphite



CAS Registry Number: 27198-72-7

Molecular Formula: C₅H₁₀O₆P₂

Molecular Weight: 228.078

Accurate Mass: 227.995264

Percentage Composition: C 26.33%; H 4.42%; O 42.09%; P 27.16%

>>Derivative: Di-*O*-Me

CAS Registry Number: 7093-29-0

Molecular Formula: C₇H₁₄O₆P₂

Molecular Weight: 256.131

Accurate Mass: 256.026564

Percentage Composition: C 32.83%; H 5.51%; O 37.48%; P 24.19%

Physical Description: Cryst.

Melting Point: Mp 124-127°

>>Derivative: Di-*O*-Et

CAS Registry Number: 7093-41-6

Molecular Formula: C₉H₁₈O₆P₂

Molecular Weight: 284.185

Accurate Mass: 284.057864

Percentage Composition: C 38.04%; H 6.38%; O 33.78%; P 21.80%

Physical Description: Needles

Melting Point: Mp 80-82°

>>Derivative: Di-*O*-octadecyl

CAS Registry Number: 3806-34-6

Molecular Formula: C₄₁H₈₂O₆P₂

Molecular Weight: 733.043

Accurate Mass: 732.558664

Percentage Composition: C 67.18%; H 11.27%; O 13.10%; P 8.45%

Use/Importance: Antioxidant for polymers

Physical Description: Cryst.

Melting Point: Mp 40°. Mp 60-64°

Aldrich: 44177-5

>>Derivative: Di-*O*-Ph

see 3,9-Diphenoxy-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane, [DRC45-U](#)

>>Derivative: Bis-*O*-(2,4-di-*tert*-butylphenyl)

CAS Registry Number: 26741-53-7

Molecular Formula: C₃₃H₅₀O₆P₂

Molecular Weight: 604.702

Accurate Mass: 604.308264

Percentage Composition: C 65.55%; H 8.33%; O 15.87%; P 10.24%

Use/Importance: Antioxidant for polymers

Aldrich: 44176-7

>>Derivative: Bis-*O*-(2,6-di-*tert*-butyl-4-methylphenyl)

CAS Registry Number: 80693-00-1

Molecular Formula: C₃₅H₅₄O₆P₂

Molecular Weight: 632.755

Accurate Mass: 632.339564

Percentage Composition: C 66.44%; H 8.60%; O 15.17%; P 9.79%

Use/Importance: Antioxidant for polymers