



Accurate Mass: 579.89505
Percentage Composition: C 12.42%; H 2.95%; O 57.92%; P 26.70%
Physical Description: Solid
Other Data: Achiral

>>**Derivative:** 1,2,3,5,6-Pentaphosphate

CAS Registry Number: 26326-85-2
Extra CAS Registry Numbers(s): 25663-09-6

Molecular Formula: C₆H₁₇O₂₁P₅
Molecular Weight: 580.057
Accurate Mass: 579.89505
Percentage Composition: C 12.42%; H 2.95%; O 57.92%; P 26.70%
Physical Description: Solid
Optical Rotation: $[\alpha]_{\text{D}}^{24} +4.3$ (c, 0.43 in H₂O)
Other Data: Enantiomer (L-form) of the 1,2,3,4,5-pentaphosphate

>>**Derivative:** 1,2,4,5,6-Pentaphosphate

CAS Registry Number: 26326-86-3
Extra CAS Registry Numbers(s): 25663-09-6

Molecular Formula: C₆H₁₇O₂₁P₅
Molecular Weight: 580.057
Accurate Mass: 579.89505
Percentage Composition: C 12.42%; H 2.95%; O 57.92%; P 26.70%
Physical Description: Solid
Optical Rotation: $[\alpha]_{\text{D}}^{24} -7.1$ (c, 0.83 in H₂O)
Other Data: Enantiomer of the 2,3,4,5,6-pentaphosphate, but both have been reported with the same sign of opt. rotn. (Rudolf *et al*, 1997)

>>**Derivative:** 1,3,4,5,6-Pentaphosphate

CAS Registry Number: 20298-95-7
Extra CAS Registry Numbers(s): 25663-09-6

Molecular Formula: C₆H₁₇O₂₁P₅
Molecular Weight: 580.057
Accurate Mass: 579.89505
Percentage Composition: C 12.42%; H 2.95%; O 57.92%; P 26.70%
Physical Description: Solid
Other Data: Achiral

>>**Derivative:** 2,3,4,5,6-Pentaphosphate

CAS Registry Number: 134176-37-7
Extra CAS Registry Numbers(s): 25663-09-6

Molecular Formula: C₆H₁₇O₂₁P₅
Molecular Weight: 580.057
Accurate Mass: 579.89505
Percentage Composition: C 12.42%; H 2.95%; O 57.92%; P 26.70%
Physical Description: Solid
Optical Rotation: $[\alpha]_{\text{D}}^{24} -6.2$ (c, 0.96 in H₂O)
Other Data: Enantiomer (L-form) of 1,2,4,5,6-pentaphosphate

>>**Derivative:** Hexaphosphate

Synonym(s): *myo*-Inositol hexakis(phosphate). **Phytic acid.** Fytic acid, INN. Alkalover. Phytin. Phyton

CAS Registry Number: 83-86-3
Extra CAS Registry Numbers(s): 14306-25-3 70981-46-3

Molecular Formula: C₆H₁₈O₂₄P₆
Molecular Weight: 660.036
Accurate Mass: 659.861382
Percentage Composition: C 10.92%; H 2.75%; O 58.18%; P 28.16%