



Molecular Formula: C₁₄H₂₀O₁₀
Molecular Weight: 348.306
Accurate Mass: 348.10565
Percentage Composition: C 48.28%; H 5.79%; O 45.93%
Melting Point: Mp 160° (105-110°)
Optical Rotation: [α]_D -24 (-12) (CHCl₃)

>>Derivative: 2,3,4,6-Tetra-Ac, 1-(dihydrogen phosphate)

CAS Registry Number: 57884-80-7

Molecular Formula: C₁₄H₂₁O₁₃P
Molecular Weight: 428.286
Accurate Mass: 428.071982
Percentage Composition: C 39.26%; H 4.94%; O 48.56%; P 7.23%
Optical Rotation: [α]_D²¹ -13 (c, 1.5 in MeOH)

>>Derivative: Penta-Ac

Synonym(s): 1,2,3,4,6-Penta-*O*-acetyl- β -D-mannopyranose

CAS Registry Number: 4026-35-1

Molecular Formula: C₁₆H₂₂O₁₁
Molecular Weight: 390.343
Accurate Mass: 390.116215
Percentage Composition: C 49.23%; H 5.68%; O 45.09%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 117-118°
Optical Rotation: [α]_D²⁵ -25.3 (c, 1 in CHCl₃)

>>Derivative: Pentabenzoyl

Synonym(s): 1,2,3,4,6-Penta-*O*-benzoyl- β -D-mannopyranose

CAS Registry Number: 13526-09-5

Molecular Formula: C₄₁H₃₂O₁₁
Molecular Weight: 700.697
Accurate Mass: 700.194465
Percentage Composition: C 70.28%; H 4.60%; O 25.12%
Melting Point: Mp 161-162°
Optical Rotation: [α]_D²⁰ -80.4 (CHCl₃)

>>Derivative: 1,3,4,6-Tetra-Ac, 2-triflyl

Synonym(s): 1,3,4,6-Tetra-*O*-acetyl-2-*O*-triflyl- β -D-mannopyranose

CAS Registry Number: 92051-23-5

Molecular Formula: C₁₅H₁₉F₃O₁₂S
Molecular Weight: 480.369
Accurate Mass: 480.054934
Percentage Composition: C 37.51%; H 3.99%; F 11.86%; O 39.97%; S 6.68%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 120-122°
Optical Rotation: [α]_D²⁰ -16 (c, 1 in CHCl₃)
Aldrich: 31025-5
Fluka: 86566
Sigma: T5527

>>Derivative: 1,2-*O*-Ethylidene, 3,4,6-tri-Me

Synonym(s): 1,2-*O*-Ethylidene-3,4,6-tri-*O*-methyl- β -D-mannopyranose

CAS Registry Number: 26922-65-6

Molecular Formula: C₁₁H₂₀O₆
Molecular Weight: 248.275
Accurate Mass: 248.12599
Percentage Composition: C 53.22%; H 8.12%; O 38.67%
Optical Rotation: [α]