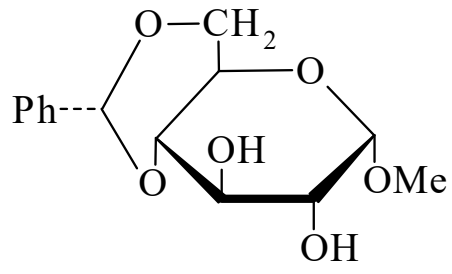
>>**Entry Name: Methyl 4,6-*O*-benzylidene-α-D-glucopyranoside,** 8Cl



CAS Registry Number: 3162-96-7
Extra CAS Registry Numbers(s): 57701-27-6

Molecular Formula: $C_{14}H_{18}O_6$
Molecular Weight: 282.293
Accurate Mass: 282.11034
Percentage Composition: C 59.57%; H 6.43%; O 34.01%

Melting Point: Mp 163-164°
Optical Rotation: $[\alpha]_D^{20}$+110 (c, 2.0 in $CHCl_3$)

Aldrich: 29284-2
Fluka: 65895
Sigma: M4513

>>**Derivative:** 2-Ac
Synonym(s): Methyl 2-*O*-acetyl-4,6-*O*-benzylidene-α-D-glucopyranoside

CAS Registry Number: 25577-40-6

Molecular Formula: $C_{16}H_{20}O_7$
Molecular Weight: 324.33
Accurate Mass: 324.120905
Percentage Composition: C 59.25%; H 6.22%; O 34.53%
Physical Description: Prismatic needles
Melting Point: Mp 133-134° (128-130°)
Optical Rotation: $[\alpha]_D^{26}$+106 (c, 1.27 in $CHCl_3$)

>>**Derivative:** 3-Ac
Synonym(s): Methyl 3-*O*-acetyl-4,6-*O*-benzylidene-α-D-glucopyranoside

CAS Registry Number: 18031-57-7

Molecular Formula: $C_{16}H_{20}O_7$
Molecular Weight: 324.33
Accurate Mass: 324.120905
Percentage Composition: C 59.25%; H 6.22%; O 34.53%
Physical Description: Silky needles (Me_2CO/Et_2O/pentane)
Melting Point: Mp 159-161°. Mp 176-177°
Optical Rotation: $[\alpha]_D^{23}$+114 (c, 0.57 in $CHCl_3$)

>>**Derivative:** Di-Ac
Synonym(s): Methyl 2,3-di-*O*-acetyl-4,6-*O*-benzylidene-α-D-glucopyranoside

CAS Registry Number: 4141-45-1

Molecular Formula: $C_{18}H_{22}O_8$
Molecular Weight: 366.367
Accurate Mass: 366.13147
Percentage Composition: C 59.01%; H 6.05%; O 34.94%
Melting Point: Mp 109-110°
Optical Rotation: $[\alpha]_D^{24}$+72 (c, 1.04 in $CHCl_3$)

>>**Derivative:** 2-Benzoyl
Synonym(s): Methyl 2-*O*-benzoyl-4,6-*O*-benzylidene-α-D-glucopyranoside

CAS Registry Number: 28642-64-0

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