



Accurate Mass: 386.136555
Percentage Composition: C 65.28%; H 5.74%; O 28.98%
Physical Description: Cryst. (Me₂CO/Et₂O/pentane)
Melting Point: Mp 169°
Optical Rotation: [α]_D +109 (c, 1.0 in CHCl₃)

>>Derivative: 2-Benzoyl, 3-tosyl

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

Molecular Formula: C₂₈H₂₈O₉S
Molecular Weight: 540.59
Accurate Mass: 540.145405
Percentage Composition: C 62.21%; H 5.22%; O 26.64%; S 5.93%
Melting Point: Mp 184-186°
Optical Rotation: [α]_D +83.8 (CHCl₃)

>>Derivative: 3-Benzoyl

Synonym(s): Methyl 3-*O*-benzoyl-4,6-*O*-benzylidene- α -D-glucopyranoside

CAS Registry Number: 33535-04-5

Molecular Formula: C₂₁H₂₂O₇
Molecular Weight: 386.401
Accurate Mass: 386.136555
Percentage Composition: C 65.28%; H 5.74%; O 28.98%
Physical Description: Needles (Me₂CO/Et₂O/pentane)
Melting Point: Mp 219-220°
Optical Rotation: [α]_D²⁶ +34 (c, 1.1 in CHCl₃)

>>Derivative: 3-Benzoyl, 2-tosyl

Synonym(s): Methyl 3-*O*-benzoyl-4,6-*O*-benzylidene-2-*O*-tosyl- α -D-glucopyranoside

Molecular Formula: C₂₈H₂₈O₉S
Molecular Weight: 540.59
Accurate Mass: 540.145405
Percentage Composition: C 62.21%; H 5.22%; O 26.64%; S 5.93%
Melting Point: Mp 212-213°
Optical Rotation: [α]_D +51.6 (CHCl₃)

>>Derivative: Dibenzoyl

Synonym(s): Methyl 2,3-di-*O*-benzoyl-4,6-*O*-benzylidene- α -D-glucopyranoside

CAS Registry Number: 6748-91-0

Molecular Formula: C₂₈H₂₆O₈
Molecular Weight: 490.509
Accurate Mass: 490.16277
Percentage Composition: C 68.56%; H 5.34%; O 26.09%
Physical Description: Cryst. (Me₂CO/Et₂O/pentane)
Melting Point: Mp 152-153°
Optical Rotation: [α]_D +98.6 (CHCl₃)

>>Derivative: 2-Mesyl

Synonym(s): Methyl 4,6-*O*-benzylidene-2-*O*-mesyl- α -D-glucopyranoside

CAS Registry Number: 51016-18-3

Molecular Formula: C₁₅H₂₀O₈S
Molecular Weight: 360.384
Accurate Mass: 360.08789
Percentage Composition: C 49.99%; H 5.59%; O 35.52%; S 8.90%
Melting Point: Mp 135-136°
Optical Rotation: [α]_D²⁴ +73 (c, 2.2 in CHCl₃)