



>>Derivative: 2,3,4,6-Tetra-Me

>>Derivative: 2,3,5,6-Tetra-Me

>>Derivative: 2,3,4,5,6-Penta-Me

>>Derivative: 2-Benzyl

>>Derivative: Phenyllosazone

>>Variant: D-Pyranose-form

Molecular Formula: C₆H₁₂O₆

Molecular Weight: 180.157

Accurate Mass: 180.06339

Percentage Composition: C 40.00%; H 6.71%; O 53.28%

Source/Synthesis: Manuf. on a large scale from starch. Below 50°, α-D-glucose hydrate is the stable cryst. form while above 50° the anhyd. form is obt. At higher temp. β-D-glucose is formed

>>Derivative: 6-Ac

>>Derivative: 4,6-*O*-Benzylidene

>>Derivative: 2,3,4,6-Tetrabenzyl

>>Variant: α-D-Pyranose-form

CAS Registry Number: 492-62-6

Extra CAS Registry Numbers(s): 26655-34-5 31178-74-2

Molecular Formula: C₆H₁₂O₆

Molecular Weight: 180.157

Accurate Mass: 180.06339

Percentage Composition: C 40.00%; H 6.71%; O 53.28%

Physical Description: Cryst. (hot EtOH or H₂O)

Melting Point: Mp 83° (monohyd.). Mp 146° (anhyd.)

Optical Rotation: [α]_D²⁰+111.2 → +52.5 (c, 10 in H₂O)

Aldrich: 25307-3

Fluka: 49138

Sigma: G8644