



>>Entry Name: **Allyl glucopyranoside**

Synonym(s): 2-Propenyl glucopyranoside, 9CI

Molecular Formula: C₉H₁₆O₆

Molecular Weight: 220.222

Accurate Mass: 220.09469

Percentage Composition: C 49.09%; H 7.32%; O 43.59%

>>Variant: α -D-form

CAS Registry Number: 7464-56-4

Molecular Formula: C₉H₁₆O₆

Molecular Weight: 220.222

Accurate Mass: 220.09469

Percentage Composition: C 49.09%; H 7.32%; O 43.59%

Physical Description: Syrup

Melting Point: Mp 101-102° (95-97°)

Optical Rotation: $[\alpha]_D^{25} +133.8$ (c, 1.65 in H₂O) (+151). $[\alpha]_D +75.7$ (c, 0.9 in CHCl₃)

>>Derivative: 3,4,6-Tri-Ac

Synonym(s): Allyl 3,4,6-tri-*O*-acetyl- α -D-glucopyranoside

Molecular Formula: C₁₅H₂₂O₉

Molecular Weight: 346.333

Accurate Mass: 346.126385

Percentage Composition: C 52.02%; H 6.40%; O 41.58%

Physical Description: Syrup

Optical Rotation: $[\alpha]_D +75.7$ (c, 0.9 in CHCl₃)

>>Derivative: 2,6-Dibenzoyl

Synonym(s): Allyl 2,6-di-*O*-benzoyl- α -D-glucopyranoside

Molecular Formula: C₂₃H₂₄O₈

Molecular Weight: 428.438

Accurate Mass: 428.14712

Percentage Composition: C 64.48%; H 5.65%; O 29.87%

Melting Point: Mp 136-137°

Optical Rotation: $[\alpha]_D +74$ (CHCl₃) (+70.1)