



Molecular Weight: 400.471
Accurate Mass: 400.18859
Percentage Composition: C 68.98%; H 7.05%; O 23.97%
Physical Description: Cryst. (diisopropyl ether)
Optical Rotation: $[\alpha]_{\text{D}} +76.4$ (c, 0.8 in CHCl_3)

>>**Derivative:** 2,6-Dibenzyl, 3,4-isopropylidene

Synonym(s): Allyl 2,6-di-*O*-benzyl-3,4-*O*-isopropylidene- α -D-glucopyranoside

Molecular Formula: $\text{C}_{26}\text{H}_{32}\text{O}_6$
Molecular Weight: 440.535
Accurate Mass: 440.21989
Percentage Composition: C 70.89%; H 7.32%; O 21.79%
Physical Description: Pale yellow oil
Optical Rotation: $[\alpha]_{\text{D}} +27.8$ (c, 2.0 in CHCl_3)

>>**Variant:** β -D-form

CAS Registry Number: 34384-79-7

Molecular Formula: $\text{C}_9\text{H}_{16}\text{O}_6$
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 100-101°
Optical Rotation: $[\alpha]_{\text{D}}^{25} -40$ (c, 3.52 in H_2O)

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

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

Molecular Formula: $\text{C}_{15}\text{H}_{22}\text{O}_9$
Molecular Weight: 346.333
Accurate Mass: 346.126385
Percentage Composition: C 52.02%; H 6.40%; O 41.58%
Physical Description: Syrup

References:

- Lee, R.T. *et al.*, *Carbohydr. Res.*, 1974, **37**, 193
Liu, M.Z. *et al.*, *Carbohydr. Res.*, 1996, **190**, 233-237, (3,4,6-tri-Ac)
Jenkins, D.J. *et al.*, *Carbohydr. Res.*, 1996, **287**, 169-182, (derivs)