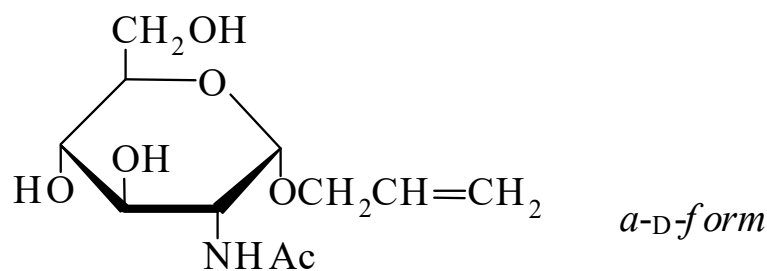




>>Entry Name: Allyl 2-acetamido-2-deoxyglucopyranoside

Synonym(s): 2-Propenyl 2-acetamido-2-deoxyglucopyranoside



Molecular Formula: C₁₁H₁₉NO₆

Molecular Weight: 261.274

Accurate Mass: 261.121239

Percentage Composition: C 50.57%; H 7.33%; N 5.36%; O 36.74%

>>Variant: α -D-form

CAS Registry Number: 54400-75-8

Molecular Formula: C₁₁H₁₉NO₆

Molecular Weight: 261.274

Accurate Mass: 261.121239

Percentage Composition: C 50.57%; H 7.33%; N 5.36%; O 36.74%

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 172-174°

Optical Rotation: [α]_D²⁵+148.8 (c, 1.62 in H₂O)

>>Variant: β -D-form

CAS Registry Number: 54400-77-0

Molecular Formula: C₁₁H₁₉NO₆

Molecular Weight: 261.274

Accurate Mass: 261.121239

Percentage Composition: C 50.57%; H 7.33%; N 5.36%; O 36.74%

Melting Point: Mp 171-172°

Optical Rotation: [α]_D²⁵-33.9 (c, 4.99 in H₂O)

>>Derivative: Tri-Ac

Synonym(s): Allyl 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy- β -D-glucopyranoside

Molecular Formula: C₁₇H₂₅NO₉

Molecular Weight: 387.386

Accurate Mass: 387.152934

Percentage Composition: C 52.71%; H 6.50%; N 3.62%; O 37.17%

Melting Point: Mp 162-163°

Optical Rotation: [α]_D²⁵-17.4 (CHCl₃)

References:

Lee, R.T. *et al.*, *Carbohydr. Res.*, 1974, **37**, 193, (α -D-form, β -D-form)

Nashed, M.A. *et al.*, *Carbohydr. Res.*, 1980, **82**, 237, (α -D-form, pmr)