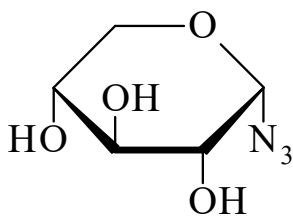




>>Entry Name: Xylopyranosyl azide, 9Cl



α-D-Pyranose-form

Molecular Formula: C₅H₉N₃O₄

Molecular Weight: 175.144

Accurate Mass: 175.059307

Percentage Composition: C 34.29%; H 5.18%; N 23.99%; O 36.54%

>>Variant: α-D-form

CAS Registry Number: 100842-21-5

Molecular Formula: C₅H₉N₃O₄

Molecular Weight: 175.144

Accurate Mass: 175.059307

Percentage Composition: C 34.29%; H 5.18%; N 23.99%; O 36.54%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 148-150°

Optical Rotation: [α]_D²³+270 (c, 1.28 in H₂O)

>>Derivative: Tri-Ac

Synonym(s): 2,3,4-Tri-*O*-acetyl-α-D-xylopyranosyl azide

CAS Registry Number: 100842-17-9

Molecular Formula: C₁₁H₁₅N₃O₇

Molecular Weight: 301.255

Accurate Mass: 301.091002

Percentage Composition: C 43.86%; H 5.02%; N 13.95%; O 37.18%

Optical Rotation: [α]_D²⁵+138 (c, 1.03 in CHCl₃)

>>Variant: β-D-form

CAS Registry Number: 51368-20-8

Molecular Formula: C₅H₉N₃O₄

Molecular Weight: 175.144

Accurate Mass: 175.059307

Percentage Composition: C 34.29%; H 5.18%; N 23.99%; O 36.54%

Melting Point: Mp 106°

Optical Rotation: [α]_D−56 (c, 1.2 in MeOH)

>>Derivative: Tri-Ac

Synonym(s): 2,3,4-Tri-*O*-acetyl-β-D-xylopyranosyl azide

CAS Registry Number: 53784-33-1

Molecular Formula: C₁₁H₁₅N₃O₇

Molecular Weight: 301.255

Accurate Mass: 301.091002

Percentage Composition: C 43.86%; H 5.02%; N 13.95%; O 37.18%

Melting Point: Mp 87°

Optical Rotation: [α]_D−86 (c, 1 in CHCl₃)

References:

Györgydeák, Z. *et al.*, *Annalen*, 1986, 1393, (*synth*)

El Meslouti, A. *et al.*, *Tet. Lett.*, 1994, **35**, 3913, (*synth*)