



>>Derivative: Me glycoside

>>Variant: β -D-Furanose-form

CAS Registry Number: 37110-85-3

Molecular Formula: $C_5H_{10}O_5$

Molecular Weight: 150.131

Accurate Mass: 150.052825

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

>>Derivative: Tetra-Ac

Synonym(s): Tetra-*O*-acetyl- β -D-xylofuranose

CAS Registry Number: 23094-61-3

Molecular Formula: $C_{13}H_{18}O_9$

Molecular Weight: 318.28

Accurate Mass: 318.095085

Percentage Composition: C 49.06%; H 5.70%; O 45.24%

Physical Description: Oil

Optical Rotation: $[\alpha]_D^{20} -16.2$ (c, 0.9 in $CHCl_3$)

>>Derivative: 1-Benzoyl, 2,3,5-tri-Ac

Synonym(s): 2,3,5-Tri-*O*-acetyl-1-*O*-benzoyl- β -D-xylofuranose

CAS Registry Number: 55734-49-1

Molecular Formula: $C_{18}H_{20}O_9$

Molecular Weight: 380.351

Accurate Mass: 380.110735

Percentage Composition: C 56.84%; H 5.30%; O 37.86%

Physical Description: Syrup

Optical Rotation: $[\alpha]_D^{25} -46.8$ (c, 4.8 in $CHCl_3$)

>>Variant: L-form

CAS Registry Number: 609-06-3

Molecular Formula: $C_5H_{10}O_5$

Molecular Weight: 150.131

Accurate Mass: 150.052825

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

Melting Point: Mp 144°

Optical Rotation: $[\alpha]_D^{20} -79.3 \rightarrow -18.6$ (H_2O)

Aldrich: 85159-0

Fluka: 95720

>>Derivative: Phenyllosazone

Melting Point: Mp 160-163°

Optical Rotation: $[\alpha]_D +0.1$ (Py/EtOH)

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 165°