>>**Derivative:** Me glycoside, 3,4-*O*-cyclohexylidene
Synonym(s): Methyl 3,4-*O*-cyclohexylidene-2-deoxy-β-D-*erythro*-pentopyranoside

CAS Registry Number: 30545-66-5

Molecular Formula: $C_{12}H_{20}O_4$
Molecular Weight: 228.288
Accurate Mass: 228.13616
Percentage Composition: C 63.14%; H 8.83%; O 28.03%
Optical Rotation: $[\alpha]_D^{22}$ –97 ($CHCl_3$)

>>**Derivative:** Me glycoside, 3,4-bis(4-nitrobenzoyl)

CAS Registry Number: 20535-30-2

Physical Description: Cryst. (MeOH)
Melting Point: Mp 141-143°
Optical Rotation: $[\alpha]_D$ –230 (c, 1.78 in $CHCl_3$)

>>**Derivative:** Me glycoside, 3-Me, 4-benzoyl
Synonym(s): Methyl 4-*O*-benzoyl-2-deoxy-3-*O*-methyl-β-D-*erythro*-pentopyranoside

CAS Registry Number: 34385-24-5

Molecular Formula: $C_{14}H_{18}O_5$
Molecular Weight: 266.293
Accurate Mass: 266.115425
Percentage Composition: C 63.15%; H 6.81%; O 30.04%
Physical Description: Cryst. (Et_2O/pentane)
Melting Point: Mp 53-54°
Optical Rotation: $[\alpha]_D^{23}$ –142 (c, 1 in $CHCl_3$)

>>**Variant:** α-D-Furanose-form

Molecular Formula: $C_5H_{10}O_4$
Molecular Weight: 134.132
Accurate Mass: 134.05791
Percentage Composition: C 44.77%; H 7.51%; O 47.71%

>>**Derivative:** 1,3,5-Tribenzoyl
Synonym(s): 1,3,5-Tri-*O*-benzoyl-2-deoxy-α-D-*erythro*-pentofuranose

Molecular Formula: $C_{26}H_{22}O_7$
Molecular Weight: 446.456
Accurate Mass: 446.136555
Percentage Composition: C 69.95%; H 4.97%; O 25.09%
Physical Description: Needles (Et_2O/pentane)
Melting Point: Mp 110-112°
Optical Rotation: $[\alpha]_D$ +75.3 (c, 0.38 in $CHCl_3$)

>>**Derivative:** Me glycoside
Synonym(s): Methyl 2-deoxy-α-D-*erythro*-pentofuranoside

CAS Registry Number: 60134-26-1

Molecular Formula: $C_6H_{12}O_4$
Molecular Weight: 148.158
Accurate Mass: 148.07356
Percentage Composition: C 48.64%; H 8.16%; O 43.20%
Physical Description: Syrup
Optical Rotation: $[\alpha]_D$ +70 (c, 2 in H_2O)
Aldrich: 34904-6