Percentage Composition: C 66.65%; H 6.71%; O 26.64%
Melting Point: Mp 74-76°
Optical Rotation: $[\alpha]_D$ +5.3 (c, 2 in $CHCl_3$)

>>**Derivative:** 2,3,6-Tribenzyl
Synonym(s): 2,3,6-Tri-*O*-benzyl-D-galactose

CAS Registry Number: 55697-59-1

Molecular Formula: $C_{27}H_{30}O_6$
Molecular Weight: 450.53
Accurate Mass: 450.20424
Percentage Composition: C 71.98%; H 6.71%; O 21.31%
Physical Description: Syrup
Optical Rotation: $[\alpha]_D^{25}$+13.5 (c, 2.7 in $CHCl_3$)

>>**Derivative:** 2,4,6-Tribenzyl
Synonym(s): 2,4,6-Tri-*O*-benzyl-D-galactose

Molecular Formula: $C_{27}H_{30}O_6$
Molecular Weight: 450.53
Accurate Mass: 450.20424
Percentage Composition: C 71.98%; H 6.71%; O 21.31%
Melting Point: Mp 123-124°
Optical Rotation: $[\alpha]_D^{22}$+40.4 → +37.6 (24 h) (c, 1 in $CHCl_3$)

>>**Derivative:** Dibenzyl dithioacetal, 4,5-*O*-isopropylidene

Molecular Formula: $C_{23}H_{30}O_5S_2$
Molecular Weight: 450.619
Accurate Mass: 450.153465
Percentage Composition: C 61.31%; H 6.71%; O 17.75%; S 14.23%
Melting Point: Mp 102.5-103°
Optical Rotation: $[\alpha]_D^{20}$+31 ($CHCl_3$)

>>**Derivative:** Phenylosazone
see Hexose phenylosazones, NSK36-T

>>**Variant:** α-D-Pyranose-form

CAS Registry Number: 3646-73-9

Molecular Formula: $C_6H_{12}O_6$
Molecular Weight: 180.157
Accurate Mass: 180.06339
Percentage Composition: C 40.00%; H 6.71%; O 53.28%
Melting Point: Mp 167°
Optical Rotation: $[\alpha]_D^{22}$+150.7 → +80.2 (H_2O)

>>**Derivative:** 1,3,4,6-Tetra-Ac
Synonym(s): 1,3,4,6-Tetra-*O*-acetyl-α-D-galactopyranose

Molecular Formula: $C_{14}H_{20}O_{10}$
Molecular Weight: 348.306
Accurate Mass: 348.10565
Percentage Composition: C 48.28%; H 5.79%; O 45.93%
Melting Point: Mp 145-147°
Optical Rotation: $[\alpha]_D^{20}$+145 ($CHCl_3$)