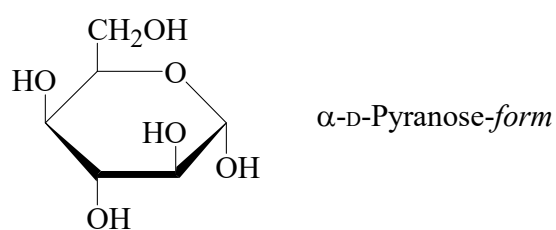




>>Entry Name: Idose, 9CI



Related CAS Registry Numbers(s): 5934-56-5 41847-65-8 41847-67-0

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%

Idoseptanose [CXO21-X](#)

>>Variant: D-form

CAS Registry Number: 5978-95-0

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%

Physical Description: Syrup

Optical Rotation:  $[\alpha]_D^{13} +15.8$  (c, 2.3 in  $H_2O$ )

Sigma: I6629

>>Derivative: Pentabenzyl

Synonym(s): 1,2,3,4,5-Penta-*O*-benzyl-D-idose

CAS Registry Number: 158420-42-9

Molecular Formula:  $C_{41}H_{42}O_6$

Molecular Weight: 630.779

Accurate Mass: 630.29814

Percentage Composition: C 78.07%; H 6.71%; O 15.22%

Physical Description: Oil

Optical Rotation:  $[\alpha]_D^{20} -4.3$  (c, 0.58 in  $CHCl_3$ )

>>Derivative: Phenyllosazone

>>Variant:  $\alpha$ -D-Pyranose-form

CAS Registry Number: 7282-82-8

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%

>>Derivative: 1,2,3,6-Tetra-Ac

Synonym(s): 1,2,3,6-Tetra-*O*-acetyl- $\alpha$ -D-idopyranose

CAS Registry Number: 18977-21-4

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 103-104°

Optical Rotation:  $[\alpha]_D^{20} +63$  (c, 1.0 in  $CHCl_3$ )