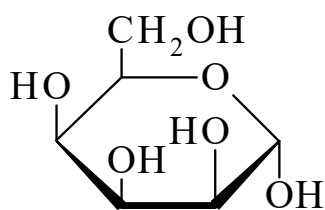




>>Entry Name: Talose, 9CI



α -D-Pyranose-form

CAS Registry Number: 30077-17-9

Related CAS Registry Numbers(s): 12773-32-9 36978-43-5 40461-83-4 54808-89-8

Molecular Formula: C₆H₁₂O₆

Molecular Weight: 180.157

Accurate Mass: 180.06339

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

>>Variant: D-form

CAS Registry Number: 2595-98-4

Molecular Formula: C₆H₁₂O₆

Molecular Weight: 180.157

Accurate Mass: 180.06339

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

Aldrich: 37426-1

Fluka: 86265

>>Derivative: *o*-Nitrophenylhydrazone

Melting Point: Mp 148-149°

Optical Rotation: [α]_D +88 (MeOH)

>>Derivative: Pentabenzyl

Synonym(s): 2,3,4,5,6-Penta-*O*-benzyl-D-talose

Molecular Formula: C₄₁H₄₂O₆

Molecular Weight: 630.779

Accurate Mass: 630.29814

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

Physical Description: Oil

Optical Rotation: [α]_D -9.3 (c, 0.77 in CHCl₃)

>>Derivative: Phenyllosazone

>>Variant: α -D-Pyranose-form

CAS Registry Number: 7282-81-7

Molecular Formula: C₆H₁₂O₆

Molecular Weight: 180.157

Accurate Mass: 180.06339

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

Melting Point: Mp 133-134°

Optical Rotation: [α]_D +68 → +20.8 (H₂O)

Sigma: T1634