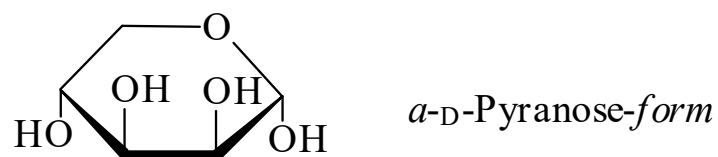




>>Entry Name: Lyxose, 9Cl, 8Cl



CAS Registry Number: 65-42-9

Related CAS Registry Numbers(s): 7283-06-9 7283-07-0 7687-39-0 25545-04-4 40461-89-0

Molecular Formula: C₅H₁₀O₅

Molecular Weight: 150.131

Accurate Mass: 150.052825

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

>>Variant: D-form

CAS Registry Number: 1114-34-7

Molecular Formula: C₅H₁₀O₅

Molecular Weight: 150.131

Accurate Mass: 150.052825

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

Melting Point: Mp 117-118° (106-107°)

Optical Rotation: [α]_D +6. [α]_D -73 → -14 (H₂O)

pKa Value: pK_{a1} 12.11 (25°)

Aldrich: 22047-7

Fluka: 63010

Sigma: L7126

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 171-172°

Optical Rotation: [α]_D²⁰ +31 (c, 0.6 in Py)

>>Derivative: Di-Et dithioacetal

CAS Registry Number: 22249-18-9

Molecular Formula: C₉H₂₀O₄S₂

Molecular Weight: 256.387

Accurate Mass: 256.0803

Percentage Composition: C 42.16%; H 7.86%; O 24.96%; S 25.01%

Melting Point: Mp 102-102.5°

Optical Rotation: [α]_D²⁰ +42.1 (c, 1.0 in H₂O)

>>Derivative: 2,3-*O*-Isopropylidene

>>Derivative: 2-Me

Synonym(s): 2-*O*-Methyl-D-lyxose

CAS Registry Number: 32087-38-0

Molecular Formula: C₆H₁₂O₅

Molecular Weight: 164.158

Accurate Mass: 164.068475

Percentage Composition: C 43.90%; H 7.37%; O 48.73%

Melting Point: Mp 118-119°

Optical Rotation: [α]_D -6.5 (c, 1.5 in H₂O)

>>Derivative: 2,4-Di-Me

Synonym(s): 2,4-Di-*O*-methyl-D-lyxose