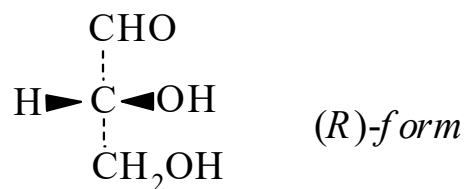




>>Entry Name: Glyceraldehyde, 8Cl

Synonym(s): 2,3-Dihydroxypropanal, 9Cl. Glycerose. Triose. Glyeral



CAS Registry Number: 367-47-5

Related CAS Registry Numbers(s): 26793-98-6

Molecular Formula: C₃H₆O₃

Molecular Weight: 90.079

Accurate Mass: 90.031695

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

>>Variant: (R)-form

Synonym(s): D-form

CAS Registry Number: 453-17-8

Molecular Formula: C₃H₆O₃

Molecular Weight: 90.079

Accurate Mass: 90.031695

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

Physical Description: Syrup

Optical Rotation: [α]_D +8.7 (c, 2 in H₂O)

Other Data: Readily polymerises

Aldrich: G478-0

Fluka: 49800

Sigma: G7785

>>Derivative: Semicarbazone

Melting Point: Mp 133°

>>Derivative: Di-Ac

CAS Registry Number: 92175-31-0

Molecular Formula: C₇H₁₀O₅

Molecular Weight: 174.153

Accurate Mass: 174.052825

Percentage Composition: C 48.28%; H 5.79%; O 45.93%

Physical Description: Syrup

Optical Rotation: [α]_D²⁹ +36 (c, 2 in CHCl₃)

>>Derivative: Dibenzoyl

Molecular Formula: C₁₇H₁₄O₅

Molecular Weight: 298.295

Accurate Mass: 298.084125

Percentage Composition: C 68.45%; H 4.73%; O 26.82%

Melting Point: Mp 88-89°

>>Derivative: Di-Me acetal

Synonym(s): 3,3-Dimethoxy-1,2-propanediol, 9Cl

CAS Registry Number: 18376-33-5

Molecular Formula: C₅H₁₂O₄

Molecular Weight: 136.147

Accurate Mass: 136.07356

Percentage Composition: C 44.11%; H 8.88%; O 47.01%

Physical Description: Liq.

Boiling Point: Bp₁₇ 127-129°. Bp_{0.15} 62°

Optical Rotation: [α]_D²⁰ +28.7 (c, 1.2 in CDCl₃)