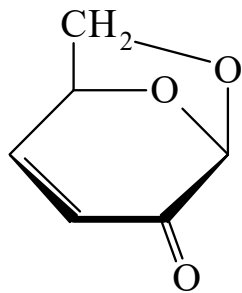




>> Name: 1,6-Anhydro-3,4-dideoxy-*glycero*-hex-3-enopyranos-2-ulose

Synonym(s): 6,8-Dioxabicyclo[3.2.1]oct-2-en-4-one, 9Cl



Molecular Formula: C₆H₆O₃

Molecular Weight: 126.112

Accurate Mass: 126.031695

Percentage Composition: C 57.14%; H 4.80%; O 38.06%

>>Variant: D-form

Synonym(s): Levoglucosenone

CAS Registry Number: 37112-31-5

Molecular Formula: C₆H₆O₃

Molecular Weight: 126.112

Accurate Mass: 126.031695

Percentage Composition: C 57.14%; H 4.80%; O 38.06%

Biological Source: Pyrolytic prod. from cellulose, in low yield

Use/Importance: Chiral synthon

Physical Description: Syrup

Optical Rotation: [α]_D²⁰ -518 (c, 1.0 in CHCl₃)

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 214-215°

Optical Rotation: [α]_D²⁶ -122 (CHCl₃)

>>Derivative: Semicarbazone

Melting Point: Mp 223-226 dec.°

Optical Rotation: [α]_D²⁶ -241 (c, 3.99 in Py/AcOH)

>>Variant: L-form

Molecular Formula: C₆H₆O₃

Molecular Weight: 126.112

Accurate Mass: 126.031695

Percentage Composition: C 57.14%; H 4.80%; O 38.06%

Physical Description: Syrup

Optical Rotation: [α]_D +518 (c, 1.2 in CHCl₃)

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