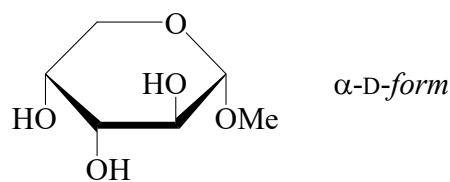




>>Entry Name: Methyl arabinopyranoside



Molecular Formula: C₆H₁₂O₅

Molecular Weight: 164.158

Accurate Mass: 164.068475

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

>>Variant: α -D-form

CAS Registry Number: 3867-83-2

Molecular Formula: C₆H₁₂O₅

Molecular Weight: 164.158

Accurate Mass: 164.068475

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

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 132°

Optical Rotation: [α]_D −17 (H₂O)

>>Derivative: 2,3,4-Tri-Ac

Synonym(s): Methyl 2,3,4-tri-*O*-acetyl- α -D-arabinopyranoside

CAS Registry Number: 32453-58-0

Molecular Formula: C₁₂H₁₈O₈

Molecular Weight: 290.269

Accurate Mass: 290.10017

Percentage Composition: C 49.65%; H 6.25%; O 44.10%

Optical Rotation: [α]_D −19 (7:3 Ac₂O/AcOH)

>>Derivative: 3,4-*O*-Isopropylidene

Synonym(s): Methyl 3,4-*O*-isopropylidene- α -D-arabinopyranoside

Molecular Formula: C₉H₁₆O₅

Molecular Weight: 204.222

Accurate Mass: 204.099775

Percentage Composition: C 52.93%; H 7.90%; O 39.17%

Physical Description: Cryst. (diisopropyl ether)

Melting Point: Mp 73-74°

Optical Rotation: [α]_D −43 (H₂O). [α]_D −28 (H₂O)

>>Derivative: 3,4-*O*-Isopropylidene, 2-mesyl

Synonym(s): Methyl 3,4-*O*-isopropylidene-2-*O*-mesyl- α -D-arabinopyranoside

Molecular Formula: C₁₀H₁₈O₇S

Molecular Weight: 282.314

Accurate Mass: 282.077325

Percentage Composition: C 42.54%; H 6.43%; O 39.67%; S 11.36%

Physical Description: Needles (EtOH)

Melting Point: Mp 135° (144-145°)

Optical Rotation: [α]_D −81.5 (CHCl₃). [α]_D −33.1 (CHCl₃)

>>Variant: β -D-form

CAS Registry Number: 5328-63-2