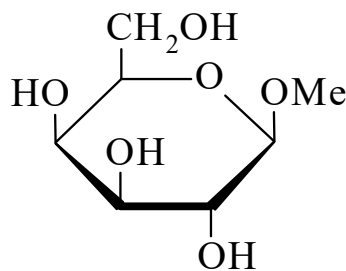




>>Entry Name: Methyl β -D-galactopyranoside



CAS Registry Number: 1824-94-8

Molecular Formula: $C_7H_{14}O_6$

Molecular Weight: 194.184

Accurate Mass: 194.07904

Percentage Composition: C 43.30%; H 7.27%; O 49.44%

Melting Point: Mp 178-180°

Optical Rotation: $[\alpha]_D +0.61$ (H_2O)

Aldrich: 29639-2

Fluka: 66920

Sigma: M6757

>>Derivative: 2-Ac

Synonym(s): Methyl 2-*O*-acetyl- β -D-galactopyranoside

CAS Registry Number: 37180-55-5

Molecular Formula: $C_9H_{16}O_7$

Molecular Weight: 236.221

Accurate Mass: 236.089605

Percentage Composition: C 45.76%; H 6.83%; O 47.41%

Melting Point: Mp 115-120°

Optical Rotation: $[\alpha]_D +12$ (c, 1.0 in H_2O)

>>Derivative: 3-Ac

Synonym(s): Methyl 3-*O*-acetyl- β -D-galactopyranoside

CAS Registry Number: 37180-56-6

Molecular Formula: $C_9H_{16}O_7$

Molecular Weight: 236.221

Accurate Mass: 236.089605

Percentage Composition: C 45.76%; H 6.83%; O 47.41%

Physical Description: Syrup

Optical Rotation: $[\alpha]_D +41$ (c, 0.5 in H_2O)

>>Derivative: 4-Ac

Synonym(s): Methyl 4-*O*-acetyl- β -D-galactopyranoside

CAS Registry Number: 51897-72-4

Molecular Formula: $C_9H_{16}O_7$

Molecular Weight: 236.221

Accurate Mass: 236.089605

Percentage Composition: C 45.76%; H 6.83%; O 47.41%

Optical Rotation: $[\alpha]_D -4$ (EtOH)

>>Derivative: 6-Ac

Synonym(s): Methyl 6-*O*-acetyl- β -D-galactopyranoside

Molecular Formula: $C_9H_{16}O_7$

Molecular Weight: 236.221

Accurate Mass: 236.089605

Percentage Composition: C 45.76%; H 6.83%; O 47.41%

Melting Point: Mp 142-145°

Optical Rotation: $[\alpha]_D +1$ (c, 1.0 in H_2O)