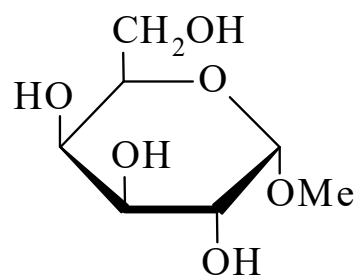




>>Entry Name: Methyl α -D-galactopyranoside



CAS Registry Number: 3396-99-4

Extra CAS Registry Numbers(s): 34004-14-3

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%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 111°

Optical Rotation: $[\alpha]_D^{20} +178$ (c, 1.5 in H_2O)

Fluka: 66916

Sigma: M1379

>>Derivative: 2-Ac

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

CAS Registry Number: 37180-51-1

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: Amorph. solid

Optical Rotation: $[\alpha]_D +206$ (c, 1.0 in H_2O)

>>Derivative: 3-Ac

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

CAS Registry Number: 37180-52-2

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 139-143°

Optical Rotation: $[\alpha]_D +216$ (c, 1.0 in H_2O)

>>Derivative: 6-Ac

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

CAS Registry Number: 5540-32-9

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 154-156°

Optical Rotation: $[\alpha]_D +160$ (EtOH)

>>Derivative: 4,6-Di-Ac

Synonym(s): Methyl 4,6-di-*O*-acetyl- α -D-galactopyranoside

CAS Registry Number: 51842-33-2