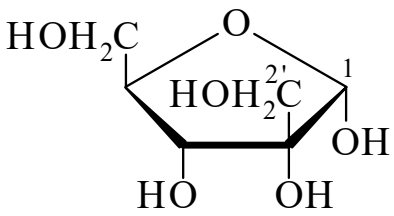
>>**Entry Name: 2-*C*-Hydroxymethylribose**
Synonym(s): Hamamelose



a-D-Furanose-*form*

Molecular Formula: $C_6H_{12}O_6$
Molecular Weight: 180.157
Accurate Mass: 180.06339
Percentage Composition: C 40.00%; H 6.71%; O 53.28%

>>**Variant:** D-form

CAS Registry Number: 4573-78-8

Molecular Formula: $C_6H_{12}O_6$
Molecular Weight: 180.157
Accurate Mass: 180.06339
Percentage Composition: C 40.00%; H 6.71%; O 53.28%
Physical Description: Cryst. (MeOH)
Melting Point: Mp 110-111°
Optical Rotation: $[\alpha]_D^{21}$ +7.7 → –7 (H_2O)

>>**Derivative:** 4-Nitrophenylhydrazone

Physical Description: Yellow needles (EtOH)
Melting Point: Mp 161-163°

>>**Derivative:** 4-Methylbenzenesulfonylhydrazone

Physical Description: Cryst. (MeOH)
Melting Point: Mp 146-147°
Optical Rotation: $[\alpha]_D^{21}$ +90 → +52 (c, 0.7 in Py)

>>**Variant:** D-Pyranose-form

Molecular Formula: $C_6H_{12}O_6$
Molecular Weight: 180.157
Accurate Mass: 180.06339
Percentage Composition: C 40.00%; H 6.71%; O 53.28%

>>**Derivative:** 2',4-Bis(3,4,5-trihydroxybenzoyl)
Synonym(s): 2',4-Di-*O*-galloyl-D-hamamelopyranose

Molecular Formula: $C_{20}H_{20}O_{14}$
Molecular Weight: 484.37
Accurate Mass: 484.08531
Percentage Composition: C 49.59%; H 4.16%; O 46.24%
Biological Source: Constit. of *Hamamelis virginiana* (Hamamelidaceae)
Other Data: Config. of anomeric centre undetermined

>>**Variant:** β-D-Pyranose-form

Molecular Formula: $C_6H_{12}O_6$
Molecular Weight: 180.157
Accurate Mass: 180.06339
Percentage Composition: C 40.00%; H 6.71%; O 53.28%