



>>>**Derivative:** 2-Phosphate
see Fructose 2-dihydrogen phosphate, [BTT50-R](#)

>>>**Derivative:** 6-Phosphate
see Fructose 6-dihydrogen phosphate, [BTT55-W](#)

>>>**Derivative:** 1,6-Diphosphate
see Fructose 1,6-bis(dihydrogen phosphate), [BTT39-U](#)

>>>**Derivative:** Fe³⁺ complex
see Ferric fructose, [HRF88-Q](#)

>>>**Variant:** α -D-Pyranose-form

CAS Registry Number: 10489-81-3
Molecular Formula: C₆H₁₂O₆
Molecular Weight: 180.157
Accurate Mass: 180.06339
Percentage Composition: C 40.00%; H 6.71%; O 53.28%

>>>**Derivative:** Penta-Ac
Synonym(s): 1,2,3,4,5-Penta-*O*-acetyl- α -D-fructopyranose

CAS Registry Number: 20764-62-9

Molecular Formula: C₁₆H₂₂O₁₁
Molecular Weight: 390.343
Accurate Mass: 390.116215
Percentage Composition: C 49.23%; H 5.68%; O 45.09%
Melting Point: Mp 122-123°
Optical Rotation: [α]_D +47.4 (CHCl₃)

>>>**Derivative:** Me glycoside
see Methyl fructopyranoside, [BXZ34-V](#)

>>>**Variant:** β -D-Pyranose-form

CAS Registry Number: 7660-25-5
Molecular Formula: C₆H₁₂O₆
Molecular Weight: 180.157
Accurate Mass: 180.06339
Percentage Composition: C 40.00%; H 6.71%; O 53.28%

>>>**Derivative:** 1,3,4,5-Tetra-Ac
Synonym(s): 1,3,4,5-Tetra-*O*-acetyl- β -D-fructopyranose

CAS Registry Number: 55221-54-0

Molecular Formula: C₁₄H₂₀O₁₀
Molecular Weight: 348.306
Accurate Mass: 348.10565
Percentage Composition: C 48.28%; H 5.79%; O 45.93%
Melting Point: Mp 131-132°
Optical Rotation: [α]_D -91.6 (CHCl₃)