



CAS Registry Number: 42822-30-0

Physical Description: Syrup

Optical Rotation: $[\alpha]_{\text{D}}^{23} -76$ (c, 1.12 in H₂O)

>>**Derivative:** 2,4-Di-Me

Synonym(s): 2,4-Di-*O*-methyl-L-fucose

CAS Registry Number: 93132-55-9

Molecular Formula: C₈H₁₆O₅

Molecular Weight: 192.211

Accurate Mass: 192.099775

Percentage Composition: C 49.99%; H 8.39%; O 41.62%

Melting Point: Mp 131-132°

Optical Rotation: $[\alpha]_{\text{D}} -85$ (H₂O)

>>**Derivative:** 2,3-Dibenzyl

Synonym(s): 2,3-Di-*O*-benzyl-L-fucose

CAS Registry Number: 42822-45-7

Molecular Formula: C₂₀H₂₄O₅

Molecular Weight: 344.407

Accurate Mass: 344.162375

Percentage Composition: C 69.75%; H 7.02%; O 23.23%

Physical Description: Syrup

Optical Rotation: $[\alpha]_{\text{D}}^{23} +12$ (c, 1.86 in CHCl₃)

>>**Derivative:** 3,4-Dibenzyl

Synonym(s): 3,4-Di-*O*-benzyl-L-fucose

CAS Registry Number: 42822-39-9

Molecular Formula: C₂₀H₂₄O₅

Molecular Weight: 344.407

Accurate Mass: 344.162375

Percentage Composition: C 69.75%; H 7.02%; O 23.23%

Physical Description: Syrup

Optical Rotation: $[\alpha]_{\text{D}}^{25} -72$ (c, 1.41 in CHCl₃)

>>**Derivative:** 2,3,4-Tribenzyl

Synonym(s): 2,3,4-Tri-*O*-benzyl-L-fucose

CAS Registry Number: 60431-34-7

Molecular Formula: C₂₇H₃₀O₅

Molecular Weight: 434.531

Accurate Mass: 434.209325

Percentage Composition: C 74.63%; H 6.96%; O 18.41%

Melting Point: Mp 87-89°

Optical Rotation: $[\alpha]_{\text{D}}^{24} -29.7$ (c, 1.7 in CHCl₃)

Sigma: T0924

>>**Variant:** α-L-Pyranose-form

CAS Registry Number: 51348-50-6

Extra CAS Registry Numbers(s): 6696-41-9

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. (EtOH aq.)

Melting Point: Mp 143-144°