



Molecular Formula: C₂₂H₂₂O₇
Molecular Weight: 398.412
Accurate Mass: 398.136555
Percentage Composition: C 66.32%; H 5.57%; O 28.11%
Physical Description: Syrup
Optical Rotation: [α]_D −50 (c, 0.7 in CHCl₃)

>>Derivative: 5-Tosyl

Synonym(s): 1,2-*O*-Isopropylidene-5-*O*-tosyl- α -D-xylofuranose

CAS Registry Number: 20513-95-5

Molecular Formula: C₁₅H₂₀O₇S
Molecular Weight: 344.385
Accurate Mass: 344.092975
Percentage Composition: C 52.32%; H 5.85%; O 32.52%; S 9.31%
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 133-134°
Optical Rotation: [α]_D²⁰ −13 (c, 2.0 in CHCl₃)
Sigma: I5631

>>Derivative: 3,5-Ditosyl

Synonym(s): 1,2-*O*-Isopropylidene-3,5-di-*O*-tosyl- α -D-xylofuranose

Molecular Formula: C₂₂H₂₆O₉S₂
Molecular Weight: 498.574
Accurate Mass: 498.101825
Percentage Composition: C 53.00%; H 5.26%; O 28.88%; S 12.86%
Melting Point: Mp 91-92°
Optical Rotation: [α]_D²⁰ −37.9 (CHCl₃)

>>Derivative: 3,5-*O*-Isopropylidene

Synonym(s): 1,2:3,5-Di-*O*-isopropylidene- α -D-xylofuranose

CAS Registry Number: 20881-04-3

Molecular Formula: C₁₁H₁₈O₅
Molecular Weight: 230.26
Accurate Mass: 230.115425
Percentage Composition: C 57.38%; H 7.88%; O 34.74%
Physical Description: Cryst. (MeOH aq.)
Melting Point: Mp 44-45°
Optical Rotation: [α]_D +13 (H₂O)
Aldrich: 29634-1
Sigma: D0765

>>Derivative: 5-Me

Synonym(s): 1,2-*O*-Isopropylidene-5-*O*-methyl- α -D-xylofuranose

Molecular Formula: C₉H₁₆O₅
Molecular Weight: 204.222
Accurate Mass: 204.099775
Percentage Composition: C 52.93%; H 7.90%; O 39.17%
Physical Description: Cryst. (Et₂O)
Melting Point: Mp 81°
Optical Rotation: [α]_D²⁰ −20.2 (H₂O)

>>Derivative: 5-Benzyl, 3-Me

Synonym(s): 5-*O*-Benzyl-1,2-*O*-isopropylidene-3-*O*-methyl- α -D-xylofuranose

CAS Registry Number: 34383-11-4