



Molecular Weight: 263.249
Accurate Mass: 263.079374
Percentage Composition: C 59.31%; H 4.98%; N 5.32%; O 30.39%
Physical Description: Cryst. (C₆H₆/hexane)
Melting Point: Mp 117-118°

>>Derivative: Tribenzoyl, nitrile

Synonym(s): 2,5-Anhydro-3,4,6-tri-*O*-benzoyl-D-allononitrile, 9Cl, 8Cl

CAS Registry Number: 23316-67-8

Molecular Formula: C₂₇H₂₁NO₇
Molecular Weight: 471.465
Accurate Mass: 471.131804
Percentage Composition: C 68.78%; H 4.49%; N 2.97%; O 23.75%
Use/Importance: Reagent used in synth. of C-nucleosides
Melting Point: Mp 82-83° (77-78°)
Optical Rotation: [α]_D²³ +24.2 (c, 1.0 in CHCl₃)

>>Derivative: 2,3-*O*-Isopropylidene, nitrile

Synonym(s): 2,5-Anhydro-3,4-*O*-isopropylidene-D-allononitrile

CAS Registry Number: 60084-16-4

Molecular Formula: C₉H₁₃NO₄
Molecular Weight: 199.206
Accurate Mass: 199.084459
Percentage Composition: C 54.26%; H 6.58%; N 7.03%; O 32.13%
Physical Description: Cryst. (EtOAc/petrol)
Melting Point: Mp 63-65°
Optical Rotation: [α]_D²⁵ -35 (c, 0.7 in CHCl₃)

>>Derivative: 2,3-*O*-Isopropylidene, 5-benzoyl, nitrile

Synonym(s): 2,5-Anhydro-6-*O*-benzoyl-3,4-*O*-isopropylidene-D-allononitrile, 9Cl, 8Cl

CAS Registry Number: 29868-36-8

Molecular Formula: C₁₆H₁₇NO₅
Molecular Weight: 303.314
Accurate Mass: 303.110674
Percentage Composition: C 63.36%; H 5.65%; N 4.62%; O 26.37%
Physical Description: Cryst. (Et₂O/hexane)
Melting Point: Mp 60-61°

>>Derivative: 3,4,6-Tribenzyl

Synonym(s): 2,5-Anhydro-3,4,6-tri-*O*-benzyl-D-allonic acid

CAS Registry Number: 82267-01-4

Molecular Formula: C₂₇H₂₈O₆
Molecular Weight: 448.515
Accurate Mass: 448.18859
Percentage Composition: C 72.30%; H 6.29%; O 21.40%
Physical Description: Syrup

>>Variant: L-form

CAS Registry Number: 135267-95-7

Molecular Formula: C₆H₁₀O₆
Molecular Weight: 178.141
Accurate Mass: 178.04774
Percentage Composition: C 40.45%; H 5.66%; O 53.89%
Optical Rotation: [α]_D²⁵ -0.24 (c, 4.51 in H₂O)