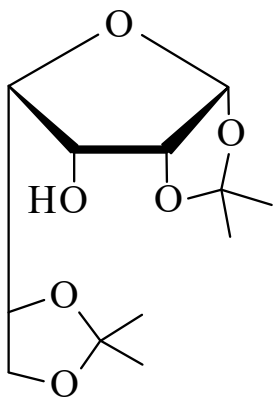
>>**Entry Name: 1,2:5,6-Di-*O*-isopropylidenegulofuranose,** 8CI



Molecular Formula: $C_{12}H_{20}O_6$
Molecular Weight: 260.286
Accurate Mass: 260.12599
Percentage Composition: C 55.37%; H 7.74%; O 36.88%

>>**Variant:** α-D-form

CAS Registry Number: 14686-89-6
Type of Compound Code(s): AF1000
Molecular Formula: $C_{12}H_{20}O_6$
Molecular Weight: 260.286
Accurate Mass: 260.12599
Percentage Composition: C 55.37%; H 7.74%; O 36.88%
Physical Description: Cryst. (EtOH/Et_2O/petrol)
Melting Point: Mp 105-106°
Optical Rotation: $[\alpha]_D^{20}$+7.5 (c, 1.0 in $CHCl_3$)
Sigma: D6268

>>**Derivative:** 3-Ac
Synonym(s): 3-*O*-Acetyl-1,2:5,6-di-*O*-isopropylidene-α-D-gulofuranose

CAS Registry Number: 26775-14-4
Type of Compound Code(s): AF1000
Molecular Formula: $C_{14}H_{22}O_7$
Molecular Weight: 302.324
Accurate Mass: 302.136555
Percentage Composition: C 55.62%; H 7.33%; O 37.05%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 73-74°
Optical Rotation: $[\alpha]_D$ +66 (c, 0.36 in $CHCl_3$)

>>**Derivative:** 3-Tosyl
Synonym(s): 1,2:5,6-Di-*O*-isopropylidene-3-*O*-tosyl-α-D-gulofuranose

CAS Registry Number: 19131-06-7
Type of Compound Code(s): AF1000
Molecular Formula: $C_{19}H_{26}O_8S$
Molecular Weight: 414.476
Accurate Mass: 414.13484
Percentage Composition: C 55.06%; H 6.32%; O 30.88%; S 7.74%
Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 122-123 dec.°
Optical Rotation: $[\alpha]_D$ +32 (c, 0.7 in $CHCl_3$)