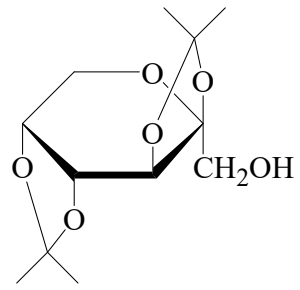
>>**Entry Name: 2,3:4,5-Di-*O*-isopropylidenefructopyranose**
Synonym(s): 2,3:4,5-Bis-*O*-(1-methylethylidene)fructopyranose, 9CI



β-D-*form*

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%
Calculated Log P Data: Log P 0.36 (calc)

>>**Variant:** β-D-form

CAS Registry Number: 20880-92-6
Type of Compound Code(s): AF1700
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: Needles (Et_2O/pentane)
Melting Point: Mp 97°
Optical Rotation: $[\alpha]_D^{23}$ –24.2 (c, 0.6 in $CHCl_3$)
Sigma: D1018

>>**Derivative:** Sulfamoyl
Synonym(s): Topiramate, BAN, INN, USAN**.** Topamax. MCN 4853. RWJ 17021

CAS Registry Number: 97240-79-4
Type of Compound Code(s): XA1400
Molecular Formula: $C_{12}H_{21}NO_8S$
Molecular Weight: 339.366
Accurate Mass: 339.098789
Percentage Composition: C 42.47%; H 6.24%; N 4.13%; O 37.72%; S 9.45%
Use/Importance: Anticonvulsant
Physical Description: Cryst. (EtOAc/hexane)
Development Status: Launched 1995 (UK)
Melting Point: Mp 125-126°
Optical Rotation: $[\alpha]_D^{23}$ –34 (c, 0.4 in MeOH)

>>**Derivative:** Dimethylsulfamoyl

CAS Registry Number: 106881-33-8
Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 57-58°
Optical Rotation: $[\alpha]_D^{23}$ –31.3 (c, 0.31 in MeOH)

>>**Derivative:** 1-Triflyl

Molecular Formula: $C_{13}H_{19}F_3O_8S$
Molecular Weight: 392.349
Accurate Mass: 392.075274
Percentage Composition: C 39.80%; H 4.88%; F 14.53%; O 32.62%; S 8.17%
Melting Point: Mp 36-38.5°
Optical Rotation: $[\alpha]_D$ –28.5 (c, 1.03 in $CHCl_3$)