



Hazard & Toxicity: Skin irritant. LD₅₀ (rat, oral) 31000 mg/kg

Aldrich: 31822-1

Fluka: 85546

Sigma: S7010

>>>**Derivative:** 6-*O*-(9-Octadecenoyl)

Synonym(s): Sorbitan monooleate, BAN, USAN. **Sorbitan oleate**, INN. Sorbestar P17. Span 80. NSC 406239. E494

CAS Registry Number: 1338-43-8

Molecular Formula: C₂₄H₄₄O₆

Molecular Weight: 428.608

Accurate Mass: 428.31379

Percentage Composition: C 67.26%; H 10.35%; O 22.40%

Use/Importance: Nonionic surface active agent. Used as an emulsifier and clarification agent in food preparations (sugar liquor or juice)

Hazard & Toxicity: Skin irritant

Aldrich: 38891-2

Fluka: 85548

Sigma: S6760

>>>**Derivative:** 3,5,6-Trioctadecanoyl

Synonym(s): **Sorbitan tristearate**, BAN, USAN. Sorbestar P38. Span 65. E492

CAS Registry Number: 26658-19-5

Molecular Formula: C₆₀H₁₁₄O₈

Molecular Weight: 963.556

Accurate Mass: 962.85137

Percentage Composition: C 74.79%; H 11.92%; O 13.28%

Use/Importance: Nonionic surface active agent

Fluka: 85547

Sigma: S2028

>>>**Derivative:** 3,5,6-Tris(9-octadecenoyl)

Synonym(s): **Sorbitan trioleate**, BAN, USAN. Sorbestar P37. Span 85

CAS Registry Number: 5960-06-5

Extra CAS Registry Numbers(s): 26266-58-0

Molecular Formula: C₆₀H₁₀₈O₈

Molecular Weight: 957.508

Accurate Mass: 956.80442

Percentage Composition: C 75.26%; H 11.37%; O 13.37%

Use/Importance: Nonionic surface active agent

>>>**Derivative:** 5,6-*O*-Isopropylidene

Synonym(s): 1,4-Anhydro-5,6-*O*-isopropylidene-D-glucitol

CAS Registry Number: 55730-73-9

Molecular Formula: C₉H₁₆O₅

Molecular Weight: 204.222

Accurate Mass: 204.099775

Percentage Composition: C 52.93%; H 7.90%; O 39.17%

Melting Point: Mp 68-70°

Optical Rotation: [α]_D²⁰ -6 (c, 1 in CHCl₃)

>>>**Derivative:** 5,6-*O*-Isopropylidene, 2-mesyl

Synonym(s): 1,4-Anhydro-5,6-*O*-isopropylidene-2-*O*-mesyl-D-glucitol

CAS Registry Number: 55730-74-0

Molecular Formula: C₁₀H₁₈O₇S

Molecular Weight: 282.314

Accurate Mass: 282.077325

Percentage Composition: C 42.54%; H 6.43%; O 39.67%; S 11.36%

Melting Point: Mp 112°