

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications

Catalogue Number	21817
Product	1,2:5,6-Di-O-isopropylidene-D-mannitol D-Mannitol diacetone 1,2:5,6-diacetone-D-mannitol
CAS Number	1707-77-3
Molecular Formula	C ₁₂ H ₂₂ O ₆
Molecular Weight	262.3

Appearance	White crystalline powder
Solubility	Soluble in water and CHCl ₃ . Insoluble in petroleum.
Heavy Metals	≤ 20 ppm
Optical Rotation	[α] _D = +5.8 to +7.2° (C=5 in CHCl ₃)
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 0.5%
Residue On Ignition	≤ 0.5%
¹H NMR	Conforms to structure
Purity by GC	≥ 98%
Purity by TLC	One spot
Application	Important intermediate for chiral C3 compounds by fission.
Storage	Store at 0-8 °C

For Laboratory Use Only