

Chem-Impex International, Inc.

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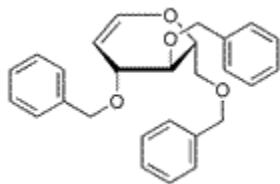
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Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	27755
Product	Tri-O-benzyl-D-glucal
CAS Number	55628-54-1
Molecular Formula	C ₂₇ H ₂₈ O ₄
Molecular Weight	416.51

Appearance	White to off-white crystalline powder
Solubility	Easily soluble in Chloroform, insoluble in water
Melting Point	53-60 °C
Water Content (Karl Fisher)	≤ 0.5%
Optical Rotation	[α] _D ²⁵ = -2.4 to -3.4° (C=5 in Chloroform)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to structure
Residual Solvents	Dibenzyl ether: ≤ 0.5%
Related Substances	Total impurity: ≤ 2%
Residue On Ignition	≤ 0.5%
¹H NMR	Conforms to structure
Purity by HPLC	≥ 98%
Application	Used as building block for both solution- and solid-phase synthesis of oligosaccharides.
Storage	Store at ≤ -4 °C

For Laboratory Use Only