

# Chem-Impex International, Inc.

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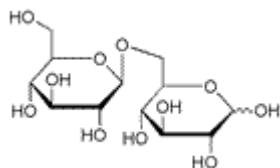
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	21679
<b>Product</b>	<b>Gentiobiose</b> 6-O-β-D-Glucopyranosyl-D-glucose
<b>CAS Number</b>	554-91-6
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>
<b>Molecular Weight</b>	342.3

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Almost colorless solution (5% in water)
<b>Melting Point</b>	180 - 190 °C
<b>Water Content (Karl Fisher)</b>	≤ 0.5%
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = 9.5 ± 1 ° (C=2 in water, 24h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 99%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**