

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	42267
<b>Product</b>	<b>Mono-6-O-(<i>p</i>-toluenesulfonyl)-<math>\gamma</math>-cyclodextrin</b>
<b>CAS Number</b>	97227-33-3
<b>Molecular Formula</b>	C <sub>55</sub> H <sub>86</sub> O <sub>42</sub> S
<b>Molecular Weight</b>	1451.31

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<b>Warnings</b>	<i>Heat sensitive!</i>
<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Soluble in dimethylformamide
<b>Water Content (Karl Fisher)</b>	≤ 15%
<b>Optical Rotation</b>	$\alpha^{20}_{\text{D}} = 146 - 151^{\circ}$ (C=4 in DMSO)(calcd.on anh.substance)
<b>Purity by HPLC</b>	≥ 90%
<b>Storage</b>	Store at 2 - 8 °C

**For Laboratory Use Only**