

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	00541
<b>Product</b>	<b>Isopropyl-<math>\beta</math>-D-thiogalactopyranoside, dioxane</b>
	IPTG• $\frac{1}{2}$ dioxane
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>18</sub> O <sub>5</sub> S• $\frac{1}{2}$ C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>
<b>Molecular Weight</b>	282.4
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<b>Caution</b>	Toxic and/or carcinogenic
<b>Appearance</b>	White powder
<b>Melting Point</b>	121-129 °C
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>22</sup> = -26 $\pm$ 0.5° (C=1 in H <sub>2</sub> O)
<b>Loss on Drying</b>	$\leq$ 20%
<b>Purity by TLC</b>	$\geq$ 99%
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**