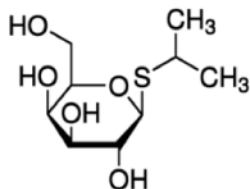


## PRODUCT SPECIFICATION

**Product Name:** IPTG

**Chemical Structure:**



**CAT Number:** APL-0045

**CAS Registry Number:** 367-93-1

**Molecular Formula:** C<sub>9</sub>H<sub>18</sub>O<sub>5</sub>S

**Molecular Weight:** 238.30

<b>Specification</b>	
<b>Assay</b>	
HPLC	98.0%~101.0%
TLC	≥99.0%
<b>Appearance (Color)</b>	White or off-white solid
<b>Appearance of solution</b>	Dissolve 0.1 g in 10 mL of water, and the solution should be white
<b>Dioxane</b>	0
<b>Solubility</b>	Readily soluble in water, almost insoluble in ether
<b>Residue on Ignition</b>	≤0.5%
<b>Alpha-isomer</b>	≤0.5%
<b>Heavy Metals</b>	≤20ppm
<b>Specific Optical Rotation</b>	-28.5°~-34.5°
<b>pH (5% w/v in water)</b>	5.0~8.0

*Store at RT*

### PRODUCT USE LIMITATION

Research use only