



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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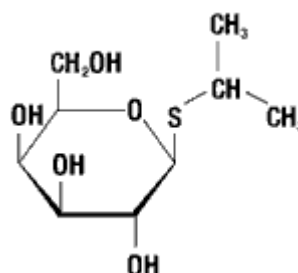
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## PRODUCT AND SAFETY DATA SHEET

**PRODUCT NAME:** IPTG (Isopropyl-β-D-thiogalactopyranoside)**CATALOG #** 10021/10021-1/10021-2**MOLECULAR INFORMATION:** C<sub>9</sub>H<sub>18</sub>O<sub>5</sub>S  
MWt: 238.3  
[367-93-1]**PROPERTIES:**

<b>Color &amp; Form</b>	White solid
<b>Solubility</b>	Soluble in water (5%)
<b>Absorption/Emission</b>	N/A
<b>Extinction Coefficient</b>	N/A

**STORAGE AND HANDLING:** Store the solid at 4 °C**APPLICATION:** IPTG induces synthesis of β-galactosidase, an enzyme that promotes lactose utilization. It is used to induce Lac Z gene expression in cloning experiments

IPTG is normally used as a 100 mM stock solution in water. Aliquots should be stored at -20°C and thawed only 3-4 times.

IPTG is also used in the overexpression of proteins. The recommended concentration for this application is 0.1 mM to 0.4 mM and will vary with the clone and strain of bacteria.

**RELATED PRODUCTS****TOXICITY:** Not established. Not listed by NTP, IARC or OSHA.

<b>FIRST AID:</b>	Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.
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<b>Disclaimer:</b> <i>Materials from Biotium are sold for research use only, and are not intended for food, drug, household, or cosmetic use. Biotium is not liable for any damage resulting from handling or contact with this product.</i>
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