

## CM 23,495 – ISOPROPYL β-D-THIOGALACTOSIDE, IPTG

### PRODUCT PROPERTIES

C.A.S Number	367-93-1
Chemical Formula	C <sub>9</sub> H <sub>18</sub> O <sub>5</sub> S
Formula weight	238.3
Functional Uses	IPTG is commonly used in cloning procedures that require induction of β-galactosidase activity. It is used in conjunction with X-Gal or Blue-Gal in blue-white selection of recombinant bacterial colonies that induce expression of the lac operon in Escherichia coli.
Standard Packaging	1 gm., 5 gm. & 25 gm.

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White to off white powder

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Melting Point	122 – 126°C

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

