IPTG (animal free) (free of dioxane)

β-galactosidase activator

IPTG mimicks allolactose, a metabolite of lactose. IPTG is used to trigger protein expression where the gene is under the control of the *lac* operon. IPTG can be used along X-Gal (Prod. No. ALX-582-002) to detect the activity of the *lac* gene in cloning experiments.

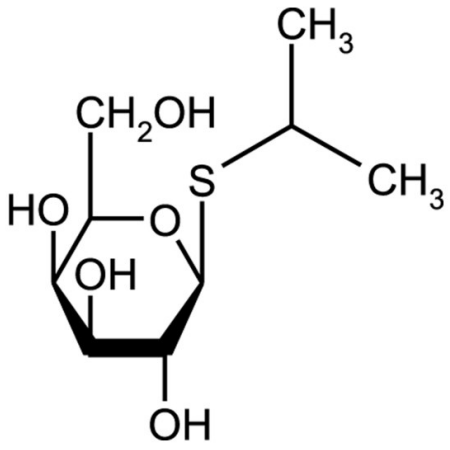
Citations: 1 View Online »

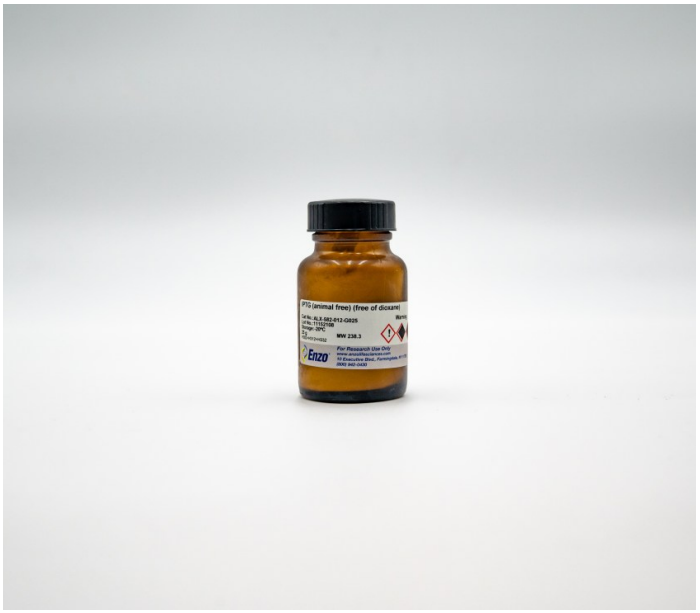
Ordering Information Order Online »

ALX-582-012-G005	5g
ALX-582-012-G025	25g

Manuals, SDS & CofA View Online »

- Inducer of β-Galactosidase
- Used in the stimulation of β-Galactosidase in cellular systems in which dioxane would disrupt normal cell function
- Contains no animal-derived products


CH3
CH2OH
S
CH3
HO
O
OH
OH


Enzo

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	1-methylethyl 1-thio-β-D-galactopyranoside, Isopropyl β-□thiogalactoside
Appearance	White to off-white powder.
CAS	367-93-1
Couple Target	Galactosidase
Couple Type	Activator
Formula	$C_9H_{18}O_5S$
Identity	Identity determined by IR.
MW	238.3
Purity	≥98% (HPLC)
Solubility	Soluble in 100% methanol or water (5%).

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