



IPTG

An inducer for recombinant proteins overexpression

IPTG is an allolactose analogue. This chemical doesn't metabolize. IPTG uses as an inducer for overexpression of recombinant proteins which are under the control of *lac* promoter.

Cat. Number	ASC-1017
CAS Number	367-93-1
MDL Number	MFCD00063273
Pubchem	310275355
Molecular Weight	238.30 gr/mol
Molecular Formula	C ₉ H ₁₈ O ₅ S
Storage Temperature	+4 °C
Form and Color	Crystalline powder / White
Solubility	Soluble in Water and methanol
Purity (HPLC)	≥ 98%
UV Absorbance (5% in water)	300 nm: ≤ 0.15 / 400 nm: ≤0.06
pH (5% in water)	5 – 7
Melting Point	110 – 114 °C
Water Content	≤ 1 %
Synonym	Isopropyl-beta-D-thiogalactopyranoside, approx. 15.0% dioxane