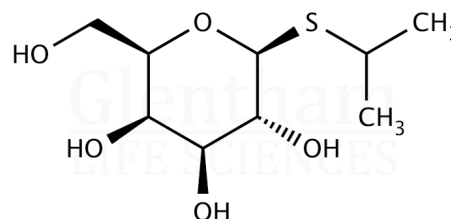


## Product Specification

Product Name	IPTG
Glentham Code	GC6586
CAS Number	367-93-1
EINECS	206-703-0
MDL Number	MFCD00063273
PubChem SID	310275355
Molecular Weight	238.30
Molecular Formula	$C_9H_{18}O_5S$
Storage Temp.	+4°C



Property	Specification
Physical Description	White crystalline powder
Solubility	Soluble in water and methanol
Identification	IR
pH	5.0 - 7.0 (5% in water)
UV Absorbance (5% in water)	300nm: $\leq 0.15$ 400nm: $\leq 0.06$
Melting Point	110 - 114 °C
Water (KF)	$\leq 1.0\%$
Individual Impurity	1,4-Dioxane: Absent
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	-28.5 - -34.5 ° (c=1, water)
Purity (HPLC)	$\geq 98.0\%$
Assay (HPLC)	98.0 - 101.0 %

Specification Version	-	v1.0
Date Created	-	2013-10-15

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2024