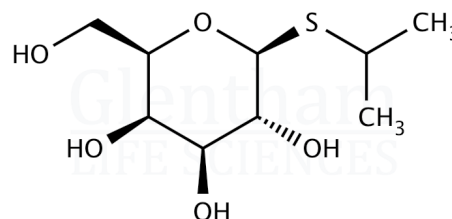


## Product Specification

Product Name	IPTG, 99.5%, dioxane free
Glentham Code	GC2102
CAS Number	367-93-1
EINECS	206-703-0
MDL Number	MFCD00063273
Molecular Weight	238.30
Molecular Formula	$C_9H_{18}O_5S$
Storage Temp.	+4°C



Property	Specification
Physical Description	White crystalline powder
Identification (IR)	To conform to standard
Melting Point	110.0 - 114.0 °C
Solubility (5% in methanol)	Clear, colourless solution
Solubility (5% in water)	Clear, colourless solution
pH (5% in water)	5.0 - 7.0
Specific Optical Rotation	-33.5 - -29.5 ° (c=1, water)
UV Absorbance (5% in water)	≤ 0.13 (at 300nm)
UV Absorbance (5% in water)	≤ 0.06 (at 400nm)
1,4-Dioxane	Absent
Water (KF)	≤ 0.5%
Purity (HPLC)	≥ 99.0%
Assay (HPLC)	≥ 99.5%

Specification Version	-	v1.0
Date Created	-	2017-08-25

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.

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