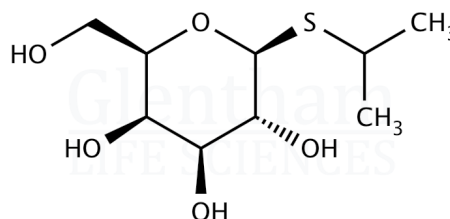


Product Specification

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 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, 2025