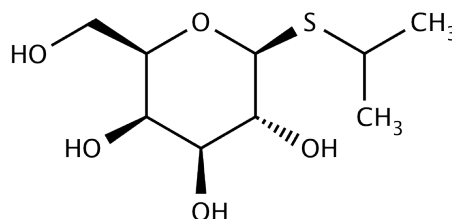


Product Specification

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 ₉ H ₁₈ O ₅ S
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: ≤ 0.15 400nm: ≤ 0.06
Melting Point	110 - 114 °C
Water (KF)	≤ 1.0%
Individual Impurity	1,4-Dioxane: Absent
Specific Optical Rotation ([α] ₂₀ /D)	-28.5 - -34.5 ° (c=1, water)
Purity (HPLC)	≥ 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 or contact us using the details above for the current version of this document.

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