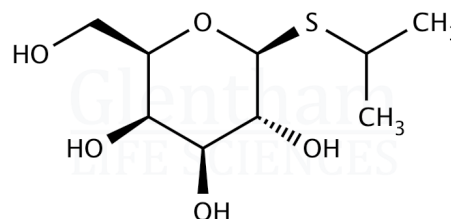


## Product Specification

Product Name	IPTG
Glentham Code	GC6586
CAS Number	367-93-1
EINECS	206-703-0
MDL-Nummer	MFCD00063273
PubChem SID	310275355
Molecular Weight	238.30
Molecular Formula	C <sub>9</sub> H <sub>18</sub> O <sub>5</sub> 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] <sub>D</sub> <sup>20</sup> )	-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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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