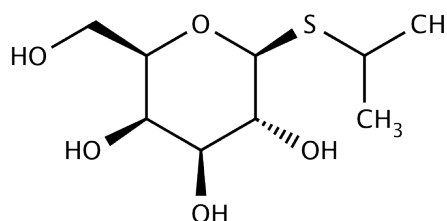


## Product Specification

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<sub>9</sub>H<sub>18</sub>O<sub>5</sub>S  
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 450nm)
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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