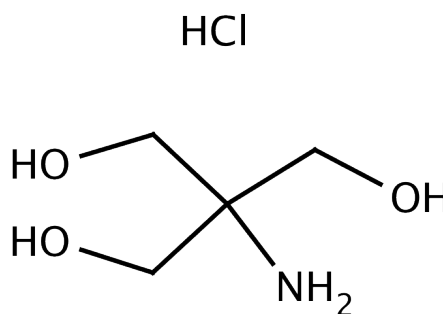


## Product Specification

Product Name : TRIS hydrochloride  
Glentham Code : GB4431  
CAS Number : 1185-53-1  
EINECS : 214-684-5  
MDL Number : MFCD00012590  
PubChem SID : 310281438

Molecular Weight : 157.60  
Molecular Formula :  $C_4H_{11}NO_3 \cdot HCl$   
Storage Temp. : +20°C



Property	Specification
Physical Description	White to off-white crystalline powder or crystals
Assay (Titration)	99.0 - 101.0 %
UV Absorbance (1M in water)	260nm: $\leq 0.060$ 280nm: $\leq 0.050$
Loss on Drying	$\leq 0.5\%$
Melting Point	149.0 - 153.0 °C
pH	3.5 - 5.0 (0.5M in water, 25°C)
pKa	8.0 - 8.4 (20°C)
Solubility	1M in water: Clear, colorless solution
Iron (Fe)	$\leq 5\text{ppm}$
Heavy Metals (as Pb)	$\leq 5\text{ppm}$
Specification Version	: v1.0
Date Created	: 2014-02-25

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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