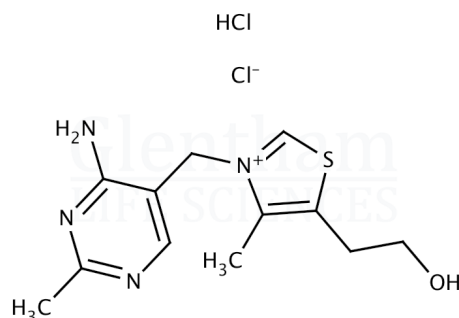


## Product Specification

Product Name	Thiamine hydrochloride, Ph. Eur. grade
Glentham Code	GP0613
CAS Number	67-03-8
EINECS	200-641-8
MDL Number	MFCD00012780
PubChem SID	310280851
Additional CAS	59-43-8
Molecular Weight	337.28
Molecular Formula	$C_{12}H_{17}ClN_4OS \cdot HCl$
Storage Temp.	+4°C



Property	Specification
Physical Description	White to almost white crystalline powder
Identification	To conform to tests A, B, C
Solubility (5% in water)	Clear, colourless solution ( $\leq$ Y7 or GY7)
pH (2.5% in water)	2.7 - 3.3
Sulphates	$\leq$ 300ppm
Impurity A	$\leq$ 0.15%
Impurity B	$\leq$ 0.3%
Impurity C	$\leq$ 0.15%
Any Unspecified Impurity	$\leq$ 0.1%
Total Impurities	$\leq$ 0.5%
Heavy Metals	$\leq$ 20ppm
Sulphated Ash	$\leq$ 0.1%
Water	$\leq$ 5.0%
Assay	99.0 - 101.0 % (anhydrous basis)
Pharmacopoeia Specification(s)	Ph. Eur.

Specification Version	- v1.2
Date Created	- 2021-07-20

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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