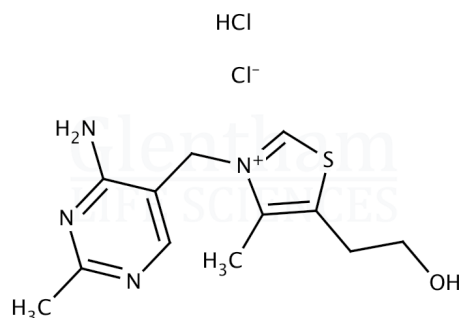


Product Specification

| | |
|-------------------|-----------------------------------|
| Product Name | Thiamine hydrochloride, USP grade |
| Glentham Code | GP8217 |
| CAS Number | 67-03-8 |
| EINECS | 200-641-8 |
| MDL Number | MFCD00012780 |
| 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 powder |
| Identification (IR) | To conform to standard |
| pH | 2.7 - 3.4 |
| Absorbance of Solution | ≤ 0.025 |
| Limit of Nitrate | To pass test |
| Residue on Ignition | ≤ 0.2% |
| Chromatographic Purity | ≤ 1.0% |
| Water (KF) | ≤ 5.0% |
| Assay | 98.0 - 102.0 % (anhydrous basis) |
| Pharmacopoeia Specification(s) | USP |

| | | |
|-----------------------|---|------------|
| Specification Version | - | v1.0 |
| Date Created | - | 2022-03-24 |

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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