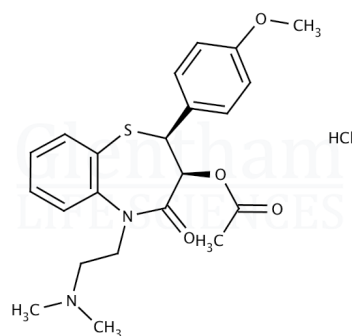


## Certificate of Analysis

Product Name Diltiazem hydrochloride  
Glentham Code GP1599  
CAS Number 33286-22-5  
EINECS 251-443-3  
MDL-Nummer MFCD00069252  
PubChem SID 310271898  
Zusätzliche CAS 42399-41-7  
Batch Number 574ZEQ

Molecular Weight 450.98  
Molecular Formula  $C_{22}H_{26}N_2O_4S \cdot HCl$   
Storage Temp. +4°C



| Property                 | Specification                             | Batch 574ZEQ               |
|--------------------------|-------------------------------------------|----------------------------|
| Physical Description     | White to off-white crystalline powder     | White crystalline powder   |
| Solubility (5% in water) | Clear, colourless to pale yellow solution | Clear, colourless solution |
| Melting Point            | 209.0 - 215.0 °C                          | 211.0 - 213.6 °C           |
| Assay                    | 98.0 - 102.0 % (dried basis)              | 99.4%                      |
| Specification Version    | v1.0                                      |                            |
| Manufacture Date         | 2017-11-01                                |                            |
| Re-Test Date             | 2028-12-03                                |                            |

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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