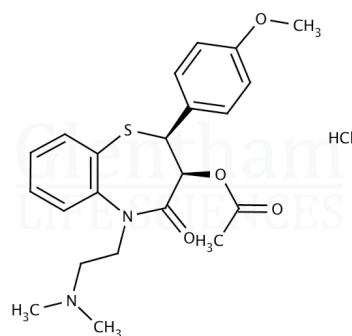


## Product Specification

Product Name	Diltiazem hydrochloride, EP grade
Glentham Code	GP6533
CAS Number	33286-22-5
EINECS	251-443-3
MDL Number	MFCD00069252

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



Property	Specification
Physical Description	A white or almost white crystalline powder
Identification (IR)	To conform to standard
Identification (TLC)	To pass test
Identification	To pass tests C, D
Solubility (5% in water)	Clear, colourless solution
pH (1% in water)	4.5 - 5.3
Specific Optical Rotation	+115 - +120 °
Impurity F	≤ 0.3%
Any Unspecified Impurity	≤ 0.1%
Total Impurities	≤ 0.3%
Loss on Drying	≤ 0.5% (105°C, 2h)
Heavy Metals	≤ 10ppm
Sulphated Ash	≤ 0.1%
Assay	98.5 - 101.0 %
Pharmacopoeia Specification(s)	EP

Specification Version	- v1.0
Date Created	- 2018-11-21

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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