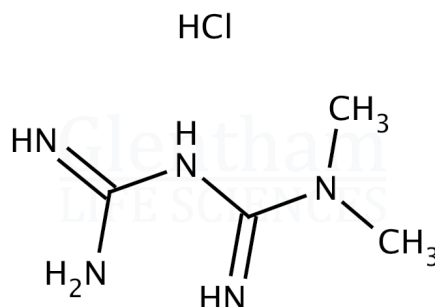


## Product Specification

Product Name	Metformin hydrochloride, EP grade
Glentham Code	GP1221
CAS Number	1115-70-4
EINECS	214-230-6
MDL Number	MFCD00012582
Additional CAS	657-24-9
Molecular Weight	165.62
Molecular Formula	$C_4H_{11}N_5 \cdot HCl$
Storage Temp.	+20°C



Property	Specification
Physical Description	White or almost white crystals
Melting Point	222 - 226 °C
Identification (IR)	To conform to standard
Identification	To pass tests C, D, E
Solubility (10% in water)	Clear, colourless solution
Impurity F	≤ 0.05%
Impurity A	≤ 0.02%
Any Unspecified Impurity	≤ 0.05%
Total Impurities	≤ 0.2%
Heavy Metals	≤ 10ppm
Loss on Drying	≤ 0.5%
Sulphated Ash	≤ 0.1%
Assay	98.5 - 101.0 % (dried substance)
Pharmacopoeia Specification(s)	EP

Specification Version	- v1.0
Date Created	- 2018-10-08

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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