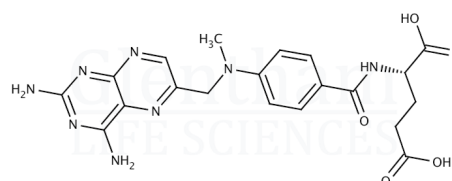


## Product Specification

Product Name	Methotrexate hydrate, USP grade
Glentham Code	GA8916
CAS Number	133073-73-1
Numéro MDL	MFCD00150847
CAS supplémentaire	59-05-2
Molecular Weight	454.44 (anhydrous)
Molecular Formula	$C_{20}H_{22}N_8O_5 \cdot xH_2O$
Storage Temp.	-20°C



Property	Specification
Physical Description	Yellow to dark yellow-orange powder
Identification (IR)	To conform to standard
Identification (UV)	To conform to standard
Related Substances	To pass USP limits
Any Unspecified Impurity	≤ 0.10%
Total Impurities	≤ 1.0%
Enantiomeric Purity	≤ 3.0%
Water	≤ 12.0%
Residue on Ignition	≤ 0.1%
Assay (anhydrous basis)	98.0 - 102.0 %
Residual Solvents	To conform to requirements of USP
Pharmacopoeia Specification(s)	USP

Specification Version	-	v1.0
Date Created	-	2020-09-08

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025