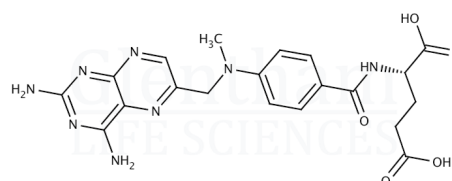


Product Specification

Product Name	Methotrexate hydrate
Glentham Code	GA6211
CAS Number	133073-73-1
MDL Number	MFCD00150847
Additional CAS	59-05-2
PubChem SID	310276236
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 powder
Identification (IR)	To conform to structure
Specific Optical Rotation ($[\alpha]_{20/D}$)	+18.0 - +23.0 ° (c=0.1, 1M NaOH, anhydrous)
Residue on Ignition	≤ 0.1%
Any Individual Impurity	≤ 0.5%
Total Organic Impurities	≤ 2.0%
Water (KF)	≤ 12.0%
Assay	≥ 98.0%

Specification Version	- v1.1
Date Created	- 2021-12-14

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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