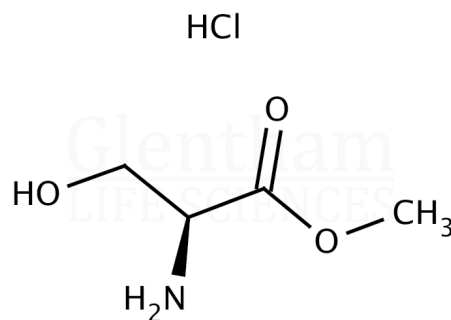


Certificate of Analysis

Product Name	L-Serine methyl ester hydrochloride
Glenthams Code	GM2197
CAS Number	5680-80-8
EINECS	227-140-7
MDL Number	MFCD00063680
PubChem SID	310279968
Batch Number	482FQS
Molecular Weight	155.58
Molecular Formula	$C_4H_9NO_3 \cdot HCl$
Storage Temp.	-20°C



Property	Specification	Batch 482FQS
Physical Description	White or almost white crystalline powder or crystals	White crystalline powder
Solubility (5% in water)	Clear, colourless solution	Clear, colourless solution
Specific Optical Rotation ($[\alpha]_{20/D}$)	+2.0 - 5.0 ° (c=1, methanol)	+4.6 °
Assay	≥ 98.0%	99.3%
Specification Version	v1.0	
Manufacture Date	2014-05-13	
Re-Test Date	2028-01-14	

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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