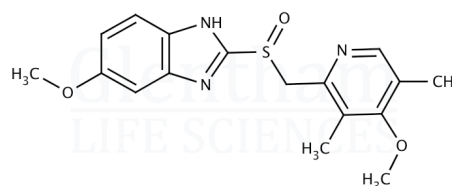


Certificate of Analysis

Product Name	esomeprazole sodium salt hydrate
Glentham Code	GP5980
CAS Number	161796-78-7
Additional CAS	119141-88-7 (base)
Additional CAS	668985-31-7 (Mg)
PubChem SID	310272659
Batch Number	746DSR
Molecular Weight	367.40
Molecular Formula	$C_{17}H_{18}N_3NaO_3S$
Storage Temp.	-20°C



Property	Specification	Batch 746DSR
Physical Description	White to off-white or pale yellow crystalline powder	Pale yellow crystalline powder
Identification (IR)	To conform to standard	Conforms
Solubility (0.5% in DMSO)	Clear, colourless to pale yellow solution	Clear, pale yellow solution
Specific Optical Rotation ($[\alpha]_{20/D}$)	+30.0 - +36.0 ° (c=1, water)	+32.1°
Melting Point	227.0 - 231.0 °C	228.0 - 229.6 °C
Water (KF)	≤ 5.0%	0.79%
Assay (Titration)	≥ 98.0%	99.8%

Specification Version	v1.1
Manufacture Date	2021-07-11
Re-Test Date	2031-08-31

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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