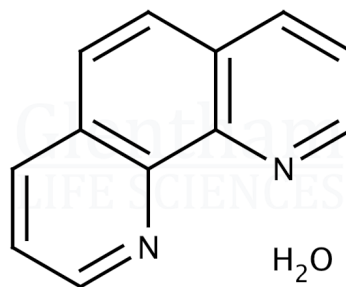


## Product Specification

Product Name	1,10-Phenanthroline monohydrate
Glentham Code	GE7007
CAS Number	5144-89-8
EINECS	200-629-2
MDL Number	MFCD00149973
PubChem SID	310278693
Additional CAS	66-71-7 (anhydrous)
Molecular Weight	198.23
Molecular Formula	$C_{12}H_8N_2 \cdot H_2O$
Storage Temp.	+20°C



Property	Specification
Physical Description	White to almost white crystalline powder or crystals
Identification (IR)	To conform to standard
Solubility (10% in ethanol)	Clear to faintly turbid, colourless to faint yellow solution
Melting Point	98.0 - 104.0 °C (clear melt)
Water	8.5 - 10.5 %
Assay (Titration)	≥ 99.0%
Specification Version	- v1.2
Date Created	- 2023-06-24

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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