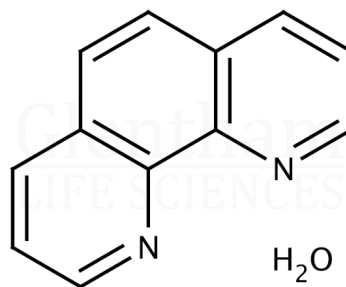


## Product Specification

Product Name	1,10-Phenanthroline monohydrate, ACS grade
Glentham Code	GE7599
CAS Number	5144-89-8
EINECS	200-629-2
MDL Number	MFCD00149973
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
Solubility (10% in ethanol)	Clear and colourless solution
Melting Point	≥ 98.0°C
Suitability as redox indicator	According to ACS
Suitability for Iron Determination	According to ACS
Assay (dried basis)	≥ 99.0%

Specification Version	- v1.0
Date Created	- 2023-12-22

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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