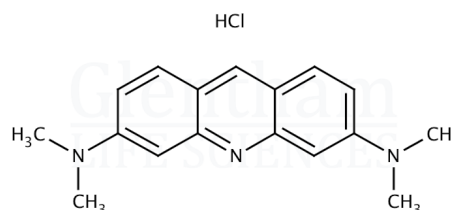


Certificate of Analysis

Product Name	Acridine Orange hydrochloride hydrate
Glentham Code	GL1836
CAS Number	65-61-2
EINECS	200-614-0
MDL Number	MFCD00012660
PubChem SID	310265803
Batch Number	529EOD

Molecular Weight	301.81 (anhydrous)
Molecular Formula	$C_{17}H_{19}N_3 \cdot HCl \cdot xH_2O$
Storage Temp.	+20°C



Property	Specification	Batch 529EOD
Physical Description	Dark orange to dark red powder	Dark red powder
Loss on Drying	≤ 10.0%	5.74%
Identification	IR	Conforms
Wavelength of Maximum Absorption	Lamba 1: 489 - 495 nm	489.0 nm
	Lamba 2: 265 - 271 nm	268.0 nm
	Lamba 3: 227 - 233 nm	230.0 nm
Absorptivity	Lambda 1: ≥ 35000	35415
	Lambda 2: ≥ 35000	40832
	Lambda 3: ≥ 14000	14503
Solubility	In water: Clear, red-orange solution	Clear orange solution

Specification Version	v1.0
Manufacture Date	2019-02-10
Re-Test Date	2030-02-17

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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