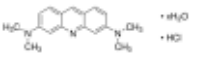
3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Acridine Orange hydrochloride hydrate – ≥98% (HPLC)



Product Number:	**318337**
CAS Number:	65-61-2
MDL:	MFCD00150070
Formula:	C17H19N3 · HCl · xH2O
Formula Weight:	301.81 g/mol

TEST	Specification
Appearance (Form)	Powder
Infrared spectrum	Conforms to Structure
Wave Length	489 - 495 nm
c = 0.005g/L; Water	
Extinction Coefficient	
Typically > = 35,000	
Wave Length	265 - 271 nm
Extinction Coefficient	
Typically > = 35,000	
Wave Length	227 - 233 nm
Extinction Coefficient	
Typically > = 14,000	
Carbon	
Typically 55.0% - 67.5%	
Nitrogen	
Typically 11.0% - 14.0%	
Purity (HPLC)	≥ 98.0 %
Zinc	
Typically < 50ppm Zinc	
Solubility (Turbidity)	Clear
Solubility (Color)	Orange to Red-Orange
c = 0.1%, H2O	
Water (by Karl Fischer)	
Typically < 20% Water	

Specification: PRD.2.ZQ5.10000031785

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.