

# Chem-Impex International, Inc.

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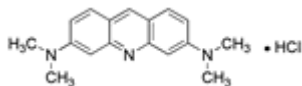
**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications



**Catalogue Number** 22883  
**Product** **Acridine Orange hydrochloride hydrate**

3,6-Bis(dimethylamino)acridine hydrochloride

CI 46005

**CAS Number** 65-61-2  
**Molecular Formula**  $C_{17}H_{19}N_3 \cdot HCl \cdot xH_2O$

**Molecular Weight** 301.82

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**Appearance** Brunt orange or brick red powder or lumps  
**Solubility** Orange to red orange solution  
**Solubility (Turbidity)** Clear solution  
**Water Content (Karl Fisher)**  $\leq 20\%$   
**UV Ratios** Spectrophotometric assay (Conc. 10 mg / Ltr in water) :  
At 489 - 495 nm = 1.160  
At 265 - 271 nm = 1.160  
At 227 - 233 nm = 0.464  
**Extinction Co-Efficient** In water :  
E (489 - 495 nm) :  $\geq 35000$   
E (265 - 271 nm) :  $\geq 35000$   
E (227 - 233 nm) :  $\geq 14000$   
**Purity by HPLC**  $\geq 99\%$   
**Storage** Store at RT

**For Laboratory Use Only**