

## Aminacrine hydrochloride monohydrate

## Chemical Properties

CAS No. :	52417-22-8
Formula:	C <sub>13</sub> H <sub>13</sub> ClN <sub>2</sub> O
Molecular Weight:	248.708
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Aminacrine hydrochloride monohydrate, a highly fluorescent anti-infective dye, is used as a topical antiseptic and mutagen due to its interaction with DNA. It is also used as an intracellular pH indicator.
Targets(IC50)	Others,DNA/RNA Synthesis

## Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0207 mL	20.1037 mL	40.2075 mL
5 mM	0.8041 mL	4.0207 mL	8.0415 mL
10 mM	0.4021 mL	2.0104 mL	4.0207 mL
50 mM	0.0804 mL	0.4021 mL	0.8041 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

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