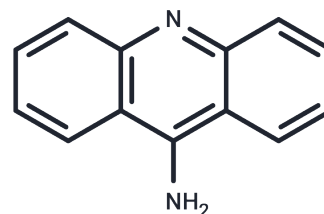


## 9-Aminoacridine

### Chemical Properties

|                   |                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------|
| CAS No. :         | 90-45-9                                                                                    |
| Formula:          | C <sub>13</sub> H <sub>10</sub> N <sub>2</sub>                                             |
| Molecular Weight: | 194.23                                                                                     |
| Appearance:       | no data available                                                                          |
| Storage:          | keep away from direct sunlight<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



### Biological Description

|               |                                                                                                                                                                                                                        |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | 9-Aminoacridine is a highly fluorescent anti-infective dye used clinically as a topical antiseptic and experimentally as a mutagen, due to its interaction with DNA. It is also used as an intracellular pH indicator. |
| Targets(IC50) | Others,HIV Protease,Antibacterial                                                                                                                                                                                      |

### Solubility Information

|            |                                                                                                   |
|------------|---------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 50 mg/mL (257.43 mM),<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|---------------------------------------------------------------------------------------------------|

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 5.1485 mL | 25.7427 mL | 51.4854 mL |
| 5 mM  | 1.0297 mL | 5.1485 mL  | 10.2971 mL |
| 10 mM | 0.5149 mL | 2.5743 mL  | 5.1485 mL  |
| 50 mM | 0.103 mL  | 0.5149 mL  | 1.0297 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.

### Reference

Ju W, et al. Retrovirology. 2014 Jun 2;11:43.

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**This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use**

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