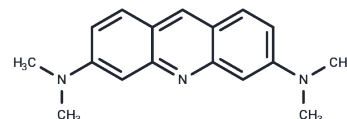


Acridine Orange base

Chemical Properties

CAS No. :	494-38-2
Formula:	C ₁₇ H ₁₉ N ₃
Molecular Weight:	265.35
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Acridine Orange Base, a cell-permeable fluorescent dye, selectively stains organisms (bacteria, parasites, viruses, etc.) bright orange and differentiates human cells in green under specific conditions (pH=3.5, Ex=460 nm), facilitating their detection via fluorescence microscopy. It exhibits green fluorescence upon binding to dsDNA (Ex=488, Em=520-524) and turns red with ssDNA (Ex=457, Em=630-644) or ssRNA (Ex=457, Em=630-644), making it useful in cell cycle assays [1] [2] [3].
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7686 mL	18.843 mL	37.6861 mL
5 mM	0.7537 mL	3.7686 mL	7.5372 mL
10 mM	0.3769 mL	1.8843 mL	3.7686 mL
50 mM	0.0754 mL	0.3769 mL	0.7537 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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