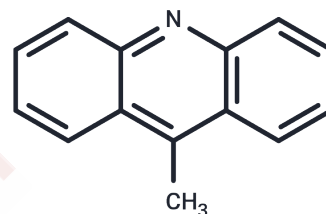


9-Methylacridine

Chemical Properties

CAS No. :	611-64-3
Formula:	C ₁₄ H ₁₁ N
Molecular Weight:	193.24
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	9-Methylacridine is an environmentally sensitive fluorescent probe that can couple with carboxylic acid molecules. Under ultraviolet light above 360 nm, it decomposes and releases the coupled carboxylic acid, exhibiting excellent cellular permeability and imaging capabilities.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1749 mL	25.8746 mL	51.7491 mL
5 mM	1.035 mL	5.1749 mL	10.3498 mL
10 mM	0.5175 mL	2.5875 mL	5.1749 mL
50 mM	0.1035 mL	0.5175 mL	1.035 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

Hosseini ES, et al. Silica modification with 9-methylacridine and 9-undecylacridine as mixed-mode stationary phases in HPLC. *Talanta*. 2021 Jan 1;221:121445.

Xiao X, et al. Photoactivated 9-methylacridine destroys midgut tissues of *Aedes aegypti* larvae by targeting ROS-mediated apoptosis in the mitochondrial pathway of midgut cells. *J Photochem Photobiol B*. 2024 May;254:112893.

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