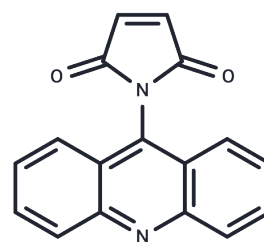


N-(9-Acridinyl)maleimide

Chemical Properties

CAS No. :	49759-20-8
Formula:	C17H10N2O2
Molecular Weight:	274.27
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	N-(9-Acridinyl)maleimide is a maleimide-type fluorescent thiol probe that emits blue fluorescence upon thiol conjugation, with an excitation wavelength of 355 nm and emission wavelength of 465 nm. It can be used for detecting cysteine and glutathione.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 4 mg/mL (14.58 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.646 mL	18.2302 mL	36.4604 mL
5 mM	0.7292 mL	3.646 mL	7.2921 mL
10 mM	0.3646 mL	1.823 mL	3.646 mL
50 mM	0.0729 mL	0.3646 mL	0.7292 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

Kamata T, et al. A Sensitive Fluorometric Assay of Glutathione Reductase Activity with N-(9-Acridinyl)maleimide. Analytical Sciences. 1993;9(6):867-870.

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