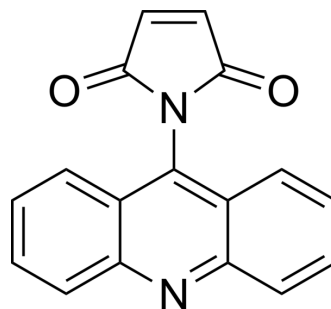


N-(9-Acridinyl)maleimide

Cat. No.:	HY-W011618
CAS No.:	49759-20-8
Molecular Formula:	C ₁₇ H ₁₀ N ₂ O ₂
Molecular Weight:	274.28
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (18.23 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.6459 mL	18.2295 mL	36.4591 mL
	5 mM	0.7292 mL	3.6459 mL	7.2918 mL
	10 mM	0.3646 mL	1.8230 mL	3.6459 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

N-(9-Acridinyl)maleimide is a maleimide type fluorescent thiol reagent. N-(9-Acridinyl)maleimide shows no substantial fluorescence but its coupling products with thiol compounds exhibit strong blue fluorescence. N-(9-Acridinyl)maleimide is used for fluorometrical analysis of cysteine and glutathione^[1].

REFERENCES

[1]. Yasunori Nara, et al. Synthesis of N-(9-Acridinyl)maleimide, a Fluorometrical Reagent for Thiol Compounds. Agricultural and Biological Chemistry, Volume 42, 1978 - Issue 4.

Caution: Product has not been fully validated for medical applications. For research use only.

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