9-Amino-6-chloro-2-methoxyacridine

Cat. No.: HY-118155

CAS No.: 3548-09-2

Molecular Formula: $C_{14}H_{11}ClN_2O$

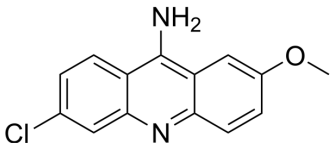
Molecular Weight: 258.7

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 : 25 mg/mL (96.64 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	3.8655 mL	19.3274 mL	38.6548 mL
	5 mM	0.7731 mL	3.8655 mL	7.7310 mL
	10 mM	0.3865 mL	1.9327 mL	3.8655 mL

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

BIOLOGICAL ACTIVITY

Description

9-Amino-6-chloro-2-methoxyacridine is a pH sensitive fluorescent probe. 9-Amino-6-chloro-2-methoxyacridine has been frequently used to measure changes in vacuolar pH when a specific substrate crosses the tonoplast through a putative H^+ /solute antiport system[1].

REFERENCES

[1]. Carqueijeiro I, et al. Analytical and Fluorimetric Methods for the Characterization of the Transmembrane Transport of Specialized Metabolites in Plants. Methods Mol Biol. 2016;1405:121-135.

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