



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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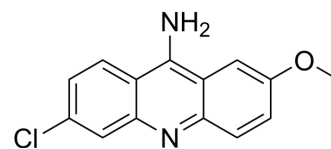
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## 9-Amino-6-chloro-2-methoxyacridine

Cat. No.:	HY-118155
CAS No.:	3548-09-2
Molecular Formula:	C <sub>14</sub> H <sub>11</sub> ClN <sub>2</sub> O
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)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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<sup>+</sup>/solute antiport system<sup>[1]</sup>.

### 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.

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

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