



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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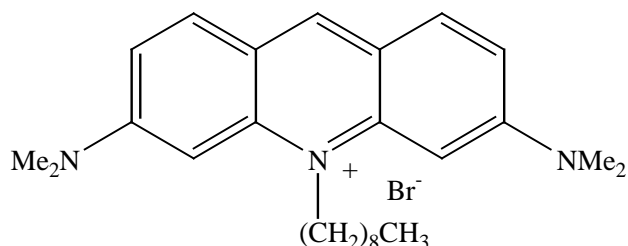
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PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: Nonyl Acridine Orange (NAO)**CATALOG NUMBER:** 70012**MOLECULAR INFORMATION:** C₂₆H₃₈BrN₃
Mwt: 473**PROPERTIES:**

Color & Form	Orange solid
Purity	≥ 95% by HPLC
Solubility	Soluble in DMSO
$\lambda_{ex} \backslash \lambda_{em}$	495nm \ 519nm (MeOH)
Extinction Coefficient (ϵ)	84,000

STORAGE AND HANDLING:

Store at 4 °C and protect from light, especially when in solution.

APPLICATION:

NAO is a mitochondrial dye whose staining is not dependent on mitochondrial membrane potential,¹ unlike JC-1 and rhodamine 123 (See **70010** and **70011**). NAO has been used to study multidrug resistance² and to measure changes in mitochondrial mass during apoptosis.³

Ref.: 1) *Cytometry* **9**, 206(1988); 2) *Cancer Res.* **51**, 4665(1991); 3) *Exp. Cell Res.* **214**, 323(1994).**TOXICITY:**

Unknown

FIRST AID:

Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.

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