



# 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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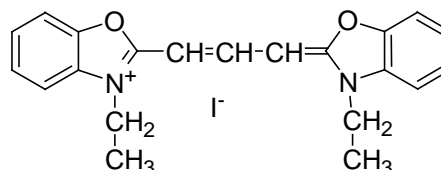
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## PRODUCT AND SAFETY DATA SHEET

**PRODUCT NAME:** DiOC<sub>2</sub>(3), Iodide (3,3'-Diethyloxycarbocyanine, iodide)**CATALOG #:** 70008**MOLECULAR INFORMATION:** C<sub>21</sub>H<sub>21</sub>IN<sub>2</sub>O<sub>2</sub>  
Mwt: 460.31**PROPERTIES:**

<b>Color &amp; Form</b>	Orange solid
<b>Purity</b>	≥ 98% TLC
<b>Solubility</b>	Soluble in DMF or DMSO
<b>Absorption/Emission</b>	482/497 nm (in MeOH)
<b>Extinction Coefficient</b>	150,000 cm <sup>-1</sup> M <sup>-1</sup> (in MeOH)

**STORAGE AND HANDLING:**

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

**APPLICATION:**

DiOC<sub>2</sub>(3) has been used for measuring membrane potentials in bacteria. The green fluorescent dye forms red fluorescent aggregates with increasing membrane potential. The spectral shifting phenomenon has been exploited to measure membrane potential ratiometrically.

Ref: 1) *Biophysics J.* **56**, 979(1989).**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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