



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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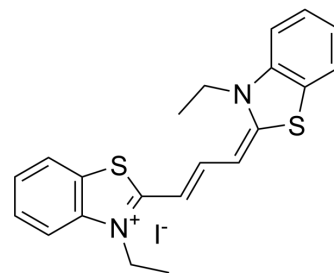
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## 3,3-Diethylthiacarbocyanine iodide

<b>Cat. No.:</b>	HY-W111907
<b>CAS No.:</b>	905-97-5
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>21</sub> IN <sub>2</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	492.44
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (203.07 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0307 mL	10.1535 mL	20.3070 mL
	5 mM	0.4061 mL	2.0307 mL	4.0614 mL
	10 mM	0.2031 mL	1.0154 mL	2.0307 mL

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

### BIOLOGICAL ACTIVITY

#### Description

3,3-Diethylthiacarbocyanine iodide is a cyanine dye. 3,3-Diethylthiacarbocyanine iodide can be used in photochemical methods<sup>[1][2]</sup>.

### REFERENCES

- [1]. NK Petrov, et al. The effect of cucurbit[7]uril on photophysical properties of aqueous solution of 3,3'-diethylthiacarbocyanine iodide dye. *Chemical Physics Letters*. 2009, 96-99.
- [2]. M.Y. Anikovskiy, et al. Complex formation between 3,3'-diethylthiacarbocyanine iodide and DNA and its investigation in aqueous solution. *International Journal of Photoenergy*. 1999.

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

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