



# 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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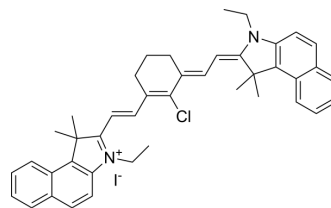
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## Heptamethine cyanine dye-1

<b>Cat. No.:</b>	HY-D0921
<b>CAS No.:</b>	162411-29-2
<b>Molecular Formula:</b>	C <sub>42</sub> H <sub>44</sub> ClIN <sub>2</sub>
<b>Molecular Weight:</b>	739.17
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 50 mg/mL (67.64 mM; Need ultrasonic)				
	<b>Preparing Stock Solutions</b>	<b>Solvent</b> \ <b>Mass</b> \ <b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>1 mM</b>	1.3529 mL	6.7643 mL	13.5287 mL
		<b>5 mM</b>	0.2706 mL	1.3529 mL	2.7057 mL
		<b>10 mM</b>	0.1353 mL	0.6764 mL	1.3529 mL
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.38 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Heptamethine cyanine dye-1 is a near-infrared cyanine dye for fluorescence imaging in biological systems.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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