



# 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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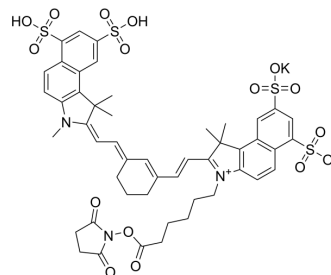
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## Sulfo-Cy7.5 NHS ester

<b>Cat. No.:</b>	HY-D1568
<b>CAS No.:</b>	2736437-44-6
<b>Molecular Formula:</b>	C <sub>49</sub> H <sub>50</sub> KN <sub>3</sub> O <sub>16</sub> S <sub>4</sub>
<b>Molecular Weight:</b>	1104.29
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	-20°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 (45.28 mM; Need ultrasonic)					
		Solvent Concentration	Mass			
	<b>Preparing Stock Solutions</b>			1 mg	5 mg	10 mg
		1 mM		0.9056 mL	4.5278 mL	9.0556 mL
		5 mM		0.1811 mL	0.9056 mL	1.8111 mL
	10 mM		0.0906 mL	0.4528 mL	0.9056 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: ≥ 1.25 mg/mL (1.13 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (1.13 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Sulfo-Cy7.5 NHS ester is a near infrared water soluble hydrophilic dye, also is an NHS ester for the modification of amine groups. Sulfo-Cy7.5 NHS ester contains a trimethylene bridge and has a linker arm for its attachment to proteins, peptides, and other molecules. Sulfo-Cy7.5 NHS ester can be used for the research of NIR imaging applications <sup>[1]</sup> .
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### REFERENCES

[1]. Pavel N Melentiev, et al. Ultrafast, Ultrasensitive Detection and Imaging of Single Cardiac Troponin-T Molecules. ACS Sens. 2020 Nov 25;5(11):3576-3583.

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

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