



# 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 Handels GmbH

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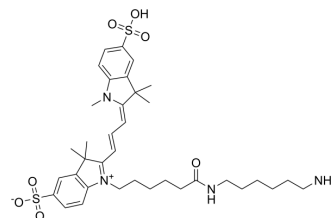
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## Sulfo-Cy3 amine

**Cat. No.:** HY-D1272  
**CAS No.:** 2183440-43-7  
**Molecular Formula:** C<sub>36</sub>H<sub>50</sub>N<sub>4</sub>O<sub>7</sub>S<sub>2</sub>  
**Molecular Weight:** 714.93  
**Target:** Fluorescent Dye  
**Pathway:** Others  
**Storage:** -20°C, protect from light  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (174.84 mM; Need ultrasonic)

|                              | Solvent<br>Concentration | Mass | 1 mg      | 5 mg      | 10 mg      |
|------------------------------|--------------------------|------|-----------|-----------|------------|
|                              |                          |      |           |           |            |
| Preparing<br>Stock Solutions | 1 mM                     |      | 1.3987 mL | 6.9937 mL | 13.9874 mL |
|                              | 5 mM                     |      | 0.2797 mL | 1.3987 mL | 2.7975 mL  |
|                              | 10 mM                    |      | 0.1399 mL | 0.6994 mL | 1.3987 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

Sulfo-Cy3 amine is a dye derivative of Cyanine 3 (Cy3) (HY-D0822) bearing an amine group. The sulfonate ion increases the water solubility of the compound, making it suitable for use in aqueous solutions. Cy3 is a fluorescent dye with a fluorescence spectrum typically in the green to orange wavelength range. The amine functionality of Sulfo-Cy3 amine can react with carboxyl groups to form covalent bonds. Sulfo-Cy3 amine can bind to biological molecules such as proteins and antibodies to track their location and dynamic changes in biological samples.

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

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