



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

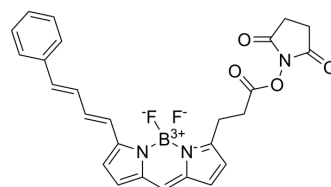
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## BODIPY-581/591 NHS ester

|                    |  |
|--------------------|--|
| Cat. No.:          | HY-D1691   |
| CAS No.:           | 150152-70-8  |
| Molecular Formula: | C <sub>26</sub> H <sub>22</sub> BF <sub>2</sub> N <sub>3</sub> O <sub>4</sub>  |
| Molecular Weight:  | 489.28   |
| Target:            | Fluorescent Dye  |
| Pathway:           | Others   |
| Storage:           | -20°C, sealed storage, away from moisture and light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light) |



### SOLVENT & SOLUBILITY

|   |  |                          |           |           |            |
|---|--|--------------------------|-----------|-----------|------------|
| In Vitro  | DMSO : 25 mg/mL (51.10 mM; Need ultrasonic)  |                          |           |           |            |
|   | Preparing Stock Solutions  | Solvent<br>Concentration | Mass      |           |            |
|   |  |                          | 1 mg      | 5 mg      | 10 mg      |
|   |  |                          | 1 mM      | 2.0438 mL | 10.2191 mL |
|   |  | 5 mM                     | 0.4088 mL | 2.0438 mL | 4.0876 mL  |
|   |  | 10 mM                    | 0.2044 mL | 1.0219 mL | 2.0438 mL  |
| Please refer to the solubility information to select the appropriate solvent. |  |                          |           |           |            |
| In Vivo   | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline<br>Solubility: 1.25 mg/mL (2.55 mM); Suspended solution; Need ultrasonic |                          |           |           |            |

### BIOLOGICAL ACTIVITY

|             |  |
|-------------|--|
| Description | BODIPY-581/591 NHS ester is a bright, red fluorescent dye (excitation: 581 nm; emission: 591 nm). BODIPY-581/591 NHS ester shows unique hydrophobic properties for staining lipids, membranes, and other lipophilic compounds <sup>[1]</sup> . |
|-------------|--|

### CUSTOMER VALIDATION

- Int J Biol Macromol. 2023 Mar 10;236:123998.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

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[1]. Daniel Geißler, et al. Analyzing the surface of functional nanomaterials-how to quantify the total and derivatizable number of functional groups and ligands. Mikrochim Acta. 2021 Sep 4;188(10):321.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA