



# 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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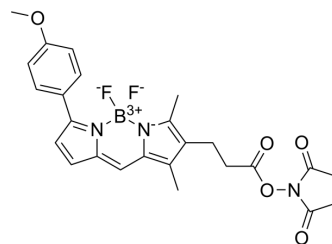
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## BDP TMR NHS ester

|                           |  |
|---------------------------|--|
| <b>Cat. No.:</b>          | HY-D1232   |
| <b>CAS No.:</b>           | 485397-12-4  |
| <b>Molecular Formula:</b> | C <sub>25</sub> H <sub>24</sub> BF <sub>2</sub> N <sub>3</sub> O <sub>5</sub>                    |
| <b>Molecular Weight:</b>  | 495.28   |
| <b>Target:</b>            | Fluorescent Dye  |
| <b>Pathway:</b>           | Others   |
| <b>Storage:</b>           | -20°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (100.95 mM; Need ultrasonic)

| Concentration | Mass      |            |            |  |
|---------------|-----------|------------|------------|--|
|               | 1 mg      | 5 mg       | 10 mg      |  |
| 1 mM          | 2.0191 mL | 10.0953 mL | 20.1906 mL |  |
| 5 mM          | 0.4038 mL | 2.0191 mL  | 4.0381 mL  |  |
| 10 mM         | 0.2019 mL | 1.0095 mL  | 2.0191 mL  |  |

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

### BIOLOGICAL ACTIVITY

#### Description

BDP TMR NHS ester is a multifunctional dye. Dyes are important tools in biological experiments. They can help researchers observe and analyze cell structures, track biomolecules, evaluate cell functions, distinguish cell types, detect biomolecules, study tissue pathology and monitor microorganisms. Their applications range from basic scientific research to clinical A wide range of diagnostics. Dyes are also widely used in traditional fields such as textile dyeing, as well as in emerging fields such as functional textile processing, food pigments and dye-sensitized solar cells.

### REFERENCES

[1]. Sultana M, et al. A review on experimental chemically modified activated carbon to enhance dye and heavy metals adsorption[J]. Cleaner engineering and technology, 2022, 6: 100382.

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

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