



# 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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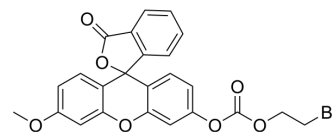
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## CAY10731

|                    |                                                                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-D1275                                                                                                                                       |
| CAS No.:           | 2119597-33-8                                                                                                                                   |
| Molecular Formula: | C <sub>24</sub> H <sub>17</sub> BrO <sub>7</sub>                                                                                               |
| Molecular Weight:  | 497.29                                                                                                                                         |
| Target:            | Fluorescent Dye                                                                                                                                |
| Pathway:           | Others                                                                                                                                         |
| Storage:           | -20°C, protect from light, stored under nitrogen<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen) |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 30 mg/mL (60.33 mM; Need ultrasonic and warming)

|                           | Solvent<br>Concentration | Mass | 1 mg      | 5 mg       | 10 mg      |
|---------------------------|--------------------------|------|-----------|------------|------------|
|                           |                          |      |           |            |            |
| Preparing Stock Solutions | 1 mM                     |      | 2.0109 mL | 10.0545 mL | 20.1090 mL |
|                           | 5 mM                     |      | 0.4022 mL | 2.0109 mL  | 4.0218 mL  |
|                           | 10 mM                    |      | 0.2011 mL | 1.0054 mL  | 2.0109 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

CAY10731 (compound 3) is a highly selective fluorescent probe for detection of hydrogen sulfide (H<sub>2</sub>S). CAY10731 is used to monitor exo- and endogenous H<sub>2</sub>S in both cancer and normal cells. CAY10731 is applied for imaging of H<sub>2</sub>S in living tissues at variable depths and in nematodes<sup>[1]</sup>.

### REFERENCES

[1]. Shahi Imam Reja, et al. A Highly Selective Fluorescent Probe for Detection of Hydrogen Sulfide in Living Systems: In Vitro and in Vivo Applications. Chemistry. 2017 Jul 21;23(41):9872-9878.

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

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