



# 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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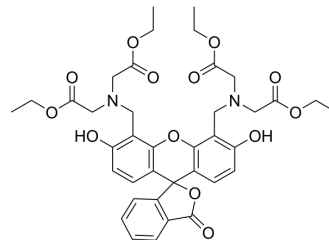
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## Calcein (tetraethyl ester)

|                           |                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------|
| <b>Cat. No.:</b>          | HY-D0830                                                                                       |
| <b>CAS No.:</b>           | 1170856-93-5                                                                                   |
| <b>Molecular Formula:</b> | C <sub>38</sub> H <sub>42</sub> N <sub>2</sub> O <sub>13</sub>                                 |
| <b>Molecular Weight:</b>  | 735                                                                                            |
| <b>Target:</b>            | Fluorescent Dye                                                                                |
| <b>Pathway:</b>           | Others                                                                                         |
| <b>Storage:</b>           | 4°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### SOLVENT & SOLUBILITY

|                                                                               |                                                                                                                                          |                      |             |             |             |              |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------|-------------|-------------|--------------|
| <b>In Vitro</b>                                                               | DMSO : 25 mg/mL (34.01 mM; Need ultrasonic)                                                                                              |                      |             |             |             |              |
|                                                                               | H <sub>2</sub> O : < 0.1 mg/mL (insoluble)                                                                                               |                      |             |             |             |              |
|                                                                               | <b>Preparing Stock Solutions</b>                                                                                                         | <b>Solvent</b>       | <b>Mass</b> | <b>1 mg</b> | <b>5 mg</b> | <b>10 mg</b> |
|                                                                               |                                                                                                                                          | <b>Concentration</b> |             |             |             |              |
|                                                                               |                                                                                                                                          | <b>1 mM</b>          |             | 1.3605 mL   | 6.8027 mL   | 13.6054 mL   |
| <b>5 mM</b>                                                                   |                                                                                                                                          |                      | 0.2721 mL   | 1.3605 mL   | 2.7211 mL   |              |
|                                                                               | <b>10 mM</b>                                                                                                                             |                      | 0.1361 mL   | 0.6803 mL   | 1.3605 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<br>Solubility: ≥ 2.5 mg/mL (3.40 mM); Clear solution |                      |             |             |             |              |

### BIOLOGICAL ACTIVITY

|                    |                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b> | Calcein tetraethyl ester is a fluorescent dye, is used in biology as it can be transported through the cellular membrane into live cells, which makes it useful for testing of cell viability and for short-term labeling of cells. |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

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