



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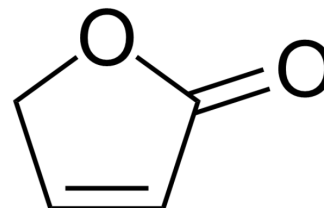
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[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## 2(5H)-Furanone

|                    |                                              |       |          |
|--------------------|----------------------------------------------|-------|----------|
| Cat. No.:          | HY-W008270                                   |       |          |
| CAS No.:           | 497-23-4                                     |       |          |
| Molecular Formula: | C <sub>4</sub> H <sub>4</sub> O <sub>2</sub> |       |          |
| Molecular Weight:  | 84.07                                        |       |          |
| Target:            | Endogenous Metabolite                        |       |          |
| Pathway:           | Metabolic Enzyme/Protease                    |       |          |
| Storage:           | Pure form                                    | -20°C | 3 years  |
|                    |                                              | 4°C   | 2 years  |
|                    | In solvent                                   | -80°C | 6 months |
|                    |                                              | -20°C | 1 month  |



### SOLVENT & SOLUBILITY

|                                                                               |                                                                                                                                           |                                                                       |            |            |             |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------|------------|-------------|
| In Vitro                                                                      | DMSO : 100 mg/mL (1189.48 mM; Need ultrasonic)                                                                                            |                                                                       |            |            |             |
|                                                                               | Preparing Stock Solutions                                                                                                                 | <div><div>Solvent</div><div>Concentration</div></div> <div>Mass</div> | 1 mg       | 5 mg       | 10 mg       |
|                                                                               |                                                                                                                                           | 1 mM                                                                  | 11.8948 mL | 59.4743 mL | 118.9485 mL |
|                                                                               |                                                                                                                                           | 5 mM                                                                  | 2.3790 mL  | 11.8948 mL | 23.7897 mL  |
|                                                                               |                                                                                                                                           | 10 mM                                                                 | 1.1895 mL  | 5.9474 mL  | 11.8948 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: ≥ 2.5 mg/mL (29.74 mM); Clear solution |                                                                       |            |            |             |
|                                                                               | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: ≥ 2.5 mg/mL (29.74 mM); Clear solution            |                                                                       |            |            |             |
|                                                                               | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 2.5 mg/mL (29.74 mM); Clear solution                            |                                                                       |            |            |             |
|                                                                               |                                                                                                                                           |                                                                       |            |            |             |

### BIOLOGICAL ACTIVITY

|                           |                                             |
|---------------------------|---------------------------------------------|
| Description               | 2(5H)-Furanone is an endogenous metabolite. |
| IC <sub>50</sub> & Target | Human Endogenous Metabolite                 |

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

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