



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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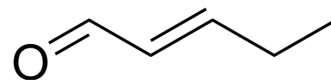
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## (E)-Pent-2-enal

|                    |  |
|--------------------|--|
| Cat. No.:          | HY-W111375   |
| CAS No.:           | 1576-87-0  |
| Molecular Formula: | C <sub>5</sub> H <sub>8</sub> O  |
| Molecular Weight:  | 84.12  |
| Target:            | Biochemical Assay Reagents   |
| Pathway:           | Others   |
| Storage:           | 4°C, stored under nitrogen<br>* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen) |



### SOLVENT & SOLUBILITY

| In Vitro  | DMSO : 100 mg/mL (1188.78 mM; Need ultrasonic)  |  |            |            |            |             |       |               |  |  |  |  |      |  |            |            |             |      |  |           |            |            |       |  |           |           |            |  |  |  |
|---|---|--|------------|------------|------------|-------------|-------|---------------|--|--|--|--|------|--|------------|------------|-------------|------|--|-----------|------------|------------|-------|--|-----------|-----------|------------|--|--|--|
|   | Preparing Stock Solutions   | <table border="1"> <thead> <tr> <th>Solvent</th> <th>Mass</th> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>Concentration</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td></td> <td>11.8878 mL</td> <td>59.4389 mL</td> <td>118.8778 mL</td> </tr> <tr> <td>5 mM</td> <td></td> <td>2.3776 mL</td> <td>11.8878 mL</td> <td>23.7756 mL</td> </tr> <tr> <td>10 mM</td> <td></td> <td>1.1888 mL</td> <td>5.9439 mL</td> <td>11.8878 mL</td> </tr> </tbody> </table> | Solvent    | Mass       | 1 mg       | 5 mg        | 10 mg | Concentration |  |  |  |  | 1 mM |  | 11.8878 mL | 59.4389 mL | 118.8778 mL | 5 mM |  | 2.3776 mL | 11.8878 mL | 23.7756 mL | 10 mM |  | 1.1888 mL | 5.9439 mL | 11.8878 mL |  |  |  |
|   |   | Solvent  | Mass       | 1 mg       | 5 mg       | 10 mg       |       |               |  |  |  |  |      |  |            |            |             |      |  |           |            |            |       |  |           |           |            |  |  |  |
|   |   | Concentration  |            |            |            |             |       |               |  |  |  |  |      |  |            |            |             |      |  |           |            |            |       |  |           |           |            |  |  |  |
|   |   | 1 mM   |            | 11.8878 mL | 59.4389 mL | 118.8778 mL |       |               |  |  |  |  |      |  |            |            |             |      |  |           |            |            |       |  |           |           |            |  |  |  |
| 5 mM  |   | 2.3776 mL  | 11.8878 mL | 23.7756 mL |            |             |       |               |  |  |  |  |      |  |            |            |             |      |  |           |            |            |       |  |           |           |            |  |  |  |
| 10 mM   |   | 1.1888 mL  | 5.9439 mL  | 11.8878 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 (29.72 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 (29.72 mM); Clear solution            |  |            |            |            |             |       |               |  |  |  |  |      |  |            |            |             |      |  |           |            |            |       |  |           |           |            |  |  |  |
|   | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 2.5 mg/mL (29.72 mM); Clear solution                            |  |            |            |            |             |       |               |  |  |  |  |      |  |            |            |             |      |  |           |            |            |       |  |           |           |            |  |  |  |

### BIOLOGICAL ACTIVITY

|             |  |
|-------------|--|
| Description | (E)-Pent-2-enal has a pungent fruity odor. This compound is commonly used in the flavor and fragrance industry because of its strong aroma, often described as fresh and green. Furthermore, (E)-Pent-2-enal can be used as an intermediate in the synthesis of various organic compounds, including pharmaceuticals and agrochemicals. Its unique chemical properties make it an important ingredient in many commercial products, including perfumes, air fresheners and cleaners. |
| In Vitro    | (E)-Pent-2-enal is a biochemical reagent that can be used as a biological material or organic compound for life science related research.<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only.   |

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

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