



# 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 Handels GmbH

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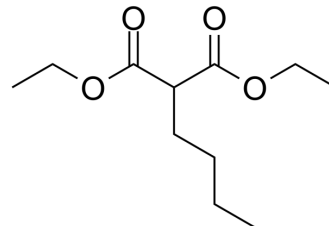
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## Diethyl butylmalonate

|                    |                                                                                                                                                                                   |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-44178                                                                                                                                                                          |
| CAS No.:           | 133-08-4                                                                                                                                                                          |
| Molecular Formula: | C <sub>11</sub> H <sub>20</sub> O <sub>4</sub>                                                                                                                                    |
| Molecular Weight:  | 216.27                                                                                                                                                                            |
| Target:            | Bacterial                                                                                                                                                                         |
| Pathway:           | Anti-infection                                                                                                                                                                    |
| Storage:           | <div>Pure form    -20°C    3 years</div> <div>                  4°C        2 years</div> <div>In solvent    -80°C    6 months</div> <div>                  -20°C    1 month</div> |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (462.38 mM; Need ultrasonic)  
H<sub>2</sub>O : 1 mg/mL (4.62 mM; Need ultrasonic)

|                              | Solvent<br>Concentration | Mass | 1 mg      | 5 mg       | 10 mg      |
|------------------------------|--------------------------|------|-----------|------------|------------|
|                              |                          |      |           |            |            |
| Preparing<br>Stock Solutions | 1 mM                     |      | 4.6238 mL | 23.1192 mL | 46.2385 mL |
|                              | 5 mM                     |      | 0.9248 mL | 4.6238 mL  | 9.2477 mL  |
|                              | 10 mM                    |      | 0.4624 mL | 2.3119 mL  | 4.6238 mL  |

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (11.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (11.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (11.56 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Diethyl butylmalonate exhibits toxicity to *T. pyriformis*, with a log(IGC50<sup>-1</sup>) of 0.557<sup>[1]</sup>.

### REFERENCES

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

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