



# 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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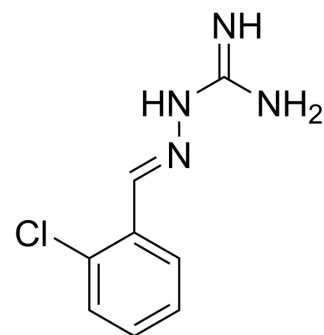
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## (E/Z)-Icerguastat

|                           |  |       |          |
|---------------------------|--|-------|----------|
| <b>Cat. No.:</b>          | HY-18956                                       |       |          |
| <b>CAS No.:</b>           | 13098-73-2                                     |       |          |
| <b>Molecular Formula:</b> | C <sub>8</sub> H <sub>9</sub> ClN <sub>4</sub> |       |          |
| <b>Molecular Weight:</b>  | 196.64   |       |          |
| <b>Target:</b>            | Phosphatase                                    |       |          |
| <b>Pathway:</b>           | Metabolic Enzyme/Protease                      |       |          |
| <b>Storage:</b>           | Powder   | -20°C | 3 years  |
|                           |  | 4°C   | 2 years  |
|                           | In solvent                                     | -80°C | 6 months |
|                           |  | -20°C | 1 month  |



### SOLVENT & SOLUBILITY

|   |  |                          |              |            |            |
|---|--|--------------------------|--------------|------------|------------|
| <b>In Vitro</b>   | DMSO : 100 mg/mL (508.54 mM; Need ultrasonic)  |                          |              |            |            |
|   |  | Solvent<br>Concentration | Mass<br>1 mg | 5 mg       | 10 mg      |
|   | <b>Preparing Stock Solutions</b>   | 1 mM                     | 5.0854 mL    | 25.4272 mL | 50.8544 mL |
|   |  | 5 mM                     | 1.0171 mL    | 5.0854 mL  | 10.1709 mL |
| 10 mM   |  | 0.5085 mL                | 2.5427 mL    | 5.0854 mL  |            |
| Please refer to the solubility information to select the appropriate solvent. |  |                          |              |            |            |
| <b>In Vivo</b>  | <ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline<br/>Solubility: 2.5 mg/mL (12.71 mM); Clear solution; Need ultrasonic</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline)<br/>Solubility: 2.5 mg/mL (12.71 mM); Clear solution; Need ultrasonic</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil<br/>Solubility: 2.5 mg/mL (12.71 mM); Clear solution; Need ultrasonic</li> </ol> |                          |              |            |            |

### BIOLOGICAL ACTIVITY

|                                     |   |
|-------------------------------------|---|
| <b>Description</b>                  | (E/Z)-Icerguastat ((E/Z)-Sephin1) is a selective inhibitor of the phosphatase regulatory subunit PPP1R15A (R15A). (E/Z)-Icerguastat can be used for protein misfolding diseases research <sup>[1]</sup> . |
| <b>IC<sub>50</sub> &amp; Target</b> | PPP1R15A <sup>[1]</sup>   |

### REFERENCES

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

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