



# 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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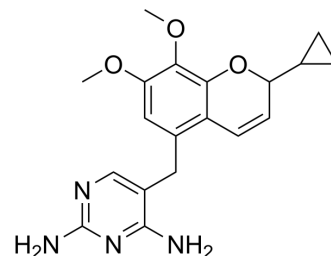
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## Iclaprim

|                    |                                                               |       |         |
|--------------------|---------------------------------------------------------------|-------|---------|
| Cat. No.:          | HY-101479                                                     |       |         |
| CAS No.:           | 192314-93-5                                                   |       |         |
| Molecular Formula: | C <sub>19</sub> H <sub>22</sub> N <sub>4</sub> O <sub>3</sub> |       |         |
| Molecular Weight:  | 354.4                                                         |       |         |
| Target:            | Bacterial; Antibiotic                                         |       |         |
| Pathway:           | Anti-infection                                                |       |         |
| Storage:           | Powder                                                        | -20°C | 3 years |
|                    |                                                               | 4°C   | 2 years |
|                    | In solvent                                                    | -80°C | 2 years |
|                    |                                                               | -20°C | 1 year  |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 30 mg/mL (84.65 mM; Need ultrasonic and warming)

|                           | Solvent<br>Concentration | Mass | 1 mg      | 5 mg       | 10 mg      |
|---------------------------|--------------------------|------|-----------|------------|------------|
|                           |                          |      |           |            |            |
| Preparing Stock Solutions | 1 mM                     |      | 2.8217 mL | 14.1084 mL | 28.2167 mL |
|                           | 5 mM                     |      | 0.5643 mL | 2.8217 mL  | 5.6433 mL  |
|                           | 10 mM                    |      | 0.2822 mL | 1.4108 mL  | 2.8217 mL  |

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

### BIOLOGICAL ACTIVITY

|                           |                                                                                                                                                                                                                     |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description               | Iclaprim is a new selective bacterial Dihydrofolate inhibitor, which can inhibit the growth of <i>S. aureus</i> (MRSA) with an MIC <sub>90</sub> of 0.06 µg/mL.                                                     |
| IC <sub>50</sub> & Target | Dihydrofolate <sup>[1]</sup>                                                                                                                                                                                        |
| In Vitro                  | Iclaprim inhibits the growth of <i>S. aureus</i> (MRSA) with an MIC <sub>90</sub> of 0.06 µg/mL <sup>[2]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

### CUSTOMER VALIDATION

- J Antimicrob Chemother. 2023 Mar 20;dkad063.
- Antimicrob Agents Chemother. 2021 Jul 12;AAC0061921.

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See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. Schneider P, et al. Iclaprim, a novel diaminopyrimidine with potent activity on trimethoprim sensitive and resistant bacteria. Bioorg Med Chem Lett. 2003 Dec 1;13(23):4217-21.

[2]. Kohlhoff SA, et al. Iclaprim. Expert Opin Investig Drugs. 2007 Sep;16(9):1441-8.

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

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