



# 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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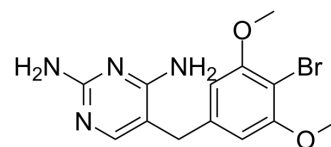
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## Brodimoprim

|                    |                                                                                                                                          |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-121341                                                                                                                                |
| CAS No.:           | 56518-41-3                                                                                                                               |
| Molecular Formula: | C <sub>13</sub> H <sub>15</sub> BrN <sub>4</sub> O <sub>2</sub>                                                                          |
| Molecular Weight:  | 339.19                                                                                                                                   |
| Target:            | Bacterial                                                                                                                                |
| Pathway:           | Anti-infection                                                                                                                           |
| Storage:           | -20°C, protect from light, stored under argon<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under argon) |



### SOLVENT & SOLUBILITY

|                                                                               |                                                                                                                                          |                                                       |           |            |            |       |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------|------------|------------|-------|
| In Vitro                                                                      | DMSO : 33.33 mg/mL (98.26 mM; Need ultrasonic)                                                                                           |                                                       |           |            |            |       |
|                                                                               | Preparing Stock Solutions                                                                                                                | <div><div>Solvent</div><div>Concentration</div></div> | Mass      | 1 mg       | 5 mg       | 10 mg |
|                                                                               |                                                                                                                                          |                                                       |           |            |            |       |
|                                                                               |                                                                                                                                          | 1 mM                                                  | 2.9482 mL | 14.7410 mL | 29.4820 mL |       |
|                                                                               |                                                                                                                                          | 5 mM                                                  | 0.5896 mL | 2.9482 mL  | 5.8964 mL  |       |
|                                                                               |                                                                                                                                          | 10 mM                                                 | 0.2948 mL | 1.4741 mL  | 2.9482 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 (7.37 mM); Clear solution |                                                       |           |            |            |       |
|                                                                               | 2. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 2.5 mg/mL (7.37 mM); Clear solution                            |                                                       |           |            |            |       |

### BIOLOGICAL ACTIVITY

|             |                                                                                                                                                                                                                              |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Brodimoprim (Ro 10-5970), a trimethoprim analogue, is an orally active dihydrofolate reductase inhibitor. Brodimoprim is highly active against a broad spectrum of gram-negative and gram-positive bacteria <sup>[1]</sup> . |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### REFERENCES

- [1]. Weidekamm E. Pharmacokinetics of brodimoprim. J Chemother. 1993;5(6):475-479.
- [2]. Marchese A, et al. Brodimoprim: effects of subminimal inhibitory concentrations on virulence traits of respiratory and urinary tract pathogens, and on plasmid transfer and stability. J Chemother. 1996;8(3):171-177.

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

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