



# 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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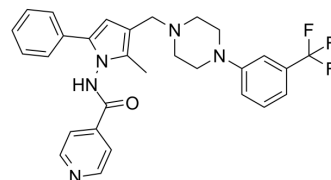
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## Sudoterb

|                    |                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-14990                                                                                       |
| CAS No.:           | 676266-31-2                                                                                    |
| Molecular Formula: | C <sub>29</sub> H <sub>28</sub> F <sub>3</sub> N <sub>5</sub> O                                |
| Molecular Weight:  | 519.56                                                                                         |
| Target:            | Bacterial                                                                                      |
| Pathway:           | Anti-infection                                                                                 |
| Storage:           | 4°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### SOLVENT & SOLUBILITY

|                                                                               |                                                          |                                      |           |           |            |
|-------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------|-----------|-----------|------------|
| In Vitro                                                                      | DMSO : 100 mg/mL (192.47 mM; Need ultrasonic)            |                                      |           |           |            |
|                                                                               | Preparing Stock Solutions                                | <div>Solvent<br/>Concentration</div> | Mass      |           |            |
|                                                                               |                                                          |                                      | 1 mg      | 5 mg      | 10 mg      |
|                                                                               |                                                          | 1 mM                                 | 1.9247 mL | 9.6235 mL | 19.2471 mL |
|                                                                               |                                                          | 5 mM                                 | 0.3849 mL | 1.9247 mL | 3.8494 mL  |
|                                                                               |                                                          | 10 mM                                | 0.1925 mL | 0.9624 mL | 1.9247 mL  |
| Please refer to the solubility information to select the appropriate solvent. |                                                          |                                      |           |           |            |
| In Vivo                                                                       | 1. Add each solvent one by one: 10% DMSO >> 90% corn oil |                                      |           |           |            |
|                                                                               | Solubility: ≥ 2.5 mg/mL (4.81 mM); Clear solution        |                                      |           |           |            |

### BIOLOGICAL ACTIVITY

|             |                                                                                                                                                                                                                                                                                                         |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Sudoterb (LL 3858) is an orally active anti-Tuberculosis agent <sup>[1]</sup> .                                                                                                                                                                                                                         |
| In Vivo     | Sudoterb (12.5 mg/kg and 25 mg/kg, p.o., 4 and 8 weeks) is effective against M.tuberculosis in mice <sup>[2]</sup> .<br>Sudoterb (p.o., mice) shows a LD <sub>50</sub> of 700 mg/kg <sup>[2]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

### REFERENCES

- [1]. Maha A. Elhakeem, et al. Synthesis and anti-mycobacterial evaluation of some new isonicotinylhydrazide analogues. Bulletin of Faculty of Pharmacy, Cairo University. 2015, 53 (1), 45-52
- [2]. Protopopova M, et al. In search of new cures for tuberculosis. Med Chem. 2007 May;3(3):301-16.

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

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