



# 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

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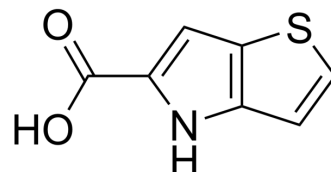
[www.szabo-scandic.com](http://www.szabo-scandic.com)

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## DAO-IN-2

|                    |                                                                                                                                            |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-117292                                                                                                                                  |
| CAS No.:           | 39793-31-2                                                                                                                                 |
| Molecular Formula: | C <sub>7</sub> H <sub>5</sub> NO <sub>2</sub> S                                                                                            |
| Molecular Weight:  | 167.19                                                                                                                                     |
| Target:            | Others                                                                                                                                     |
| Pathway:           | Others                                                                                                                                     |
| Storage:           | <div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> <div>In solvent</div> <div>-80°C 6 months</div> <div>-20°C 1 month</div> |



### SOLVENT & SOLUBILITY

|                                                                               |                                                                                                                                           |                                                       |      |           |            |            |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------|-----------|------------|------------|
| In Vitro                                                                      | DMSO : 100 mg/mL (598.12 mM; Need ultrasonic)                                                                                             |                                                       |      |           |            |            |
|                                                                               | Preparing Stock Solutions                                                                                                                 | <div><div>Solvent</div><div>Concentration</div></div> | Mass | 1 mg      | 5 mg       | 10 mg      |
|                                                                               |                                                                                                                                           | 1 mM                                                  |      | 5.9812 mL | 29.9061 mL | 59.8122 mL |
|                                                                               |                                                                                                                                           | 5 mM                                                  |      | 1.1962 mL | 5.9812 mL  | 11.9624 mL |
|                                                                               |                                                                                                                                           | 10 mM                                                 |      | 0.5981 mL | 2.9906 mL  | 5.9812 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: ≥ 1.25 mg/mL (7.48 mM); Clear solution |                                                       |      |           |            |            |
|                                                                               | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: ≥ 1.25 mg/mL (7.48 mM); Clear solution            |                                                       |      |           |            |            |

### BIOLOGICAL ACTIVITY

|             |                                                                                                                                                |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | DAO-IN-2 is a novel D-amino acid oxidase (DAO) inhibitor. DAO-IN-2 demonstrates moderate potency for DAO in vitro and ex vivo <sup>[1]</sup> . |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------|

### REFERENCES

[1]. Tim Sparey, et, al. The discovery of fused pyrrole carboxylic acids as novel, potent D-amino acid oxidase (DAO) inhibitors. Bioorg Med Chem Lett. 2008,18, 11.

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

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