



# 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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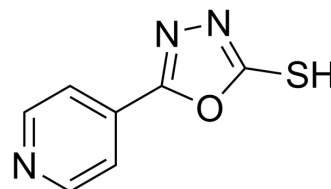
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## 5-(Pyridin-4-yl)-1,3,4-oxadiazole-2-thiol

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-W104752  |
| CAS No.:           | 15264-63-8  |
| Molecular Formula: | C <sub>7</sub> H <sub>5</sub> N <sub>3</sub> OS   |
| Molecular Weight:  | 179.2   |
| Target:            | Bacterial; Fungal   |
| Pathway:           | Anti-infection  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

#### Description

5-(Pyridin-4-yl)-1,3,4-oxadiazole-2-thiol (Compound 3n) is an antimicrobial and antioxidant agent, that inhibits *Escherichia coli* and *Staphylococcus epidermidis*, with MIC of 8 and 4 µg/mL. 5-(Pyridin-4-yl)-1,3,4-oxadiazole-2-thiol exhibits antioxidant activity with IC<sub>50</sub> of 17.47 µM using DPPH free radical-scavenging method<sup>[1]</sup>.

### REFERENCES

[1]. Yarmohammadi E, et al., Ultrasound-assisted, low-solvent and acid/base-free synthesis of 5-substituted 1,3,4-oxadiazole-2-thiols as potent antimicrobial and antioxidant agents. *Mol Divers.* 2021 Nov;25(4):2367-2378.

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

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