



# 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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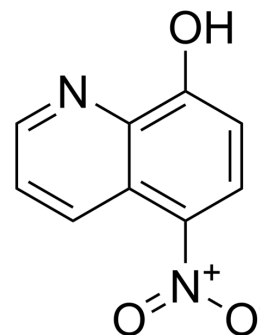
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## Nitroxoline (Standard)

Cat. No.:	HY-B1159R
CAS No.:	4008-48-4
Molecular Formula:	C <sub>9</sub> H <sub>6</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	190.16
Target:	Apoptosis; Bacterial; Autophagy; Antibiotic
Pathway:	Apoptosis; Anti-infection; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Nitroxoline (Standard) is the analytical standard of Nitroxoline. This product is intended for research and analytical applications. Nitroxoline (8-Hydroxy-5-nitroquinoline), an antibiotic, is an orally active antibiofilm agent. Nitroxoline reduces the formation and induces the dispersal of *Pseudomonas aeruginosa* biofilms by chelation of iron and zinc. Nitroxoline can be used for the urinary tract infections and cancer research<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Jin-Guo Yu, et al. Nitroxoline induces cell apoptosis by inducing MDM2 degradation in small-cell lung cancer. *Kaohsiung J Med Sci.* 2019 Apr;35(4):202-208.
- [2]. A Sobke, et al. The urinary antibiotic 5-nitro-8-hydroxyquinoline (Nitroxoline) reduces the formation and induces the dispersal of *Pseudomonas aeruginosa* biofilms by chelation of iron and zinc. *Antimicrob Agents Chemother.* 2012 Nov;56(11):6021-5.

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

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