



# 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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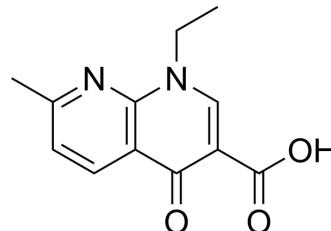
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## Nalidixic acid (Standard)

Cat. No.:	HY-B0398R
CAS No.:	389-08-2
Molecular Formula:	C <sub>12</sub> H <sub>12</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	232.24
Target:	Bacterial; Topoisomerase; Antibiotic
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Nalidixic acid (Standard) is the analytical standard of Nalidixic acid. This product is intended for research and analytical applications. Nalidixic acid, a quinolone antibiotic, is effective against both gram-positive and gram-negative bacteria. Nalidixic acid acts in a bacteriostatic manner in lower concentrations and is bactericidal in higher concentrations. Nalidixic acid inhibits a subunit of DNA gyrase and topoisomerase IV and reversibly blocks DNA replication in susceptible bacteria<sup>[1]</sup>.

### REFERENCES

[1]. antibiotic, DNA gyrase, susceptible bacteria, Escherichia coli, Klebsiella pneumoniae, Aerobacter aerogenes, Proteus spp, Salmonella spp.

[2]. Anna Fàbrega, et al. Mechanism of Action of and Resistance to Quinolones. Microb Biotechnol

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

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