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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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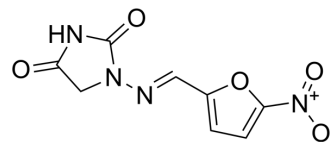
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Nitrofurantoin (Standard)

Cat. No.:	HY-A0090R
CAS No.:	67-20-9
Molecular Formula:	C ₈ H ₆ N ₄ O ₅
Molecular Weight:	238.16
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Nitrofurantoin (Standard) is the analytical standard of Nitrofurantoin. This product is intended for research and analytical applications. Nitrofurantoin is a potent and orally active broad-spectrum beta-lactamase antimicrobial agent. Nitrofurantoin acts as an antibiotic and can be used for the study of urinary tract infections (UTIs), including cystitis and kidney infections^[1].

REFERENCES

- [1]. Linus Sandegren, et al. Nitrofurantoin resistance mechanism and fitness cost in *Escherichia coli*. *J Antimicrob Chemother.* 2008 Sep;62(3):495-503.
- [2]. Xiaodong Wang, et al. Effects of the flavonoid chrysin on nitrofurantoin pharmacokinetics in rats: potential involvement of ABCG2. *Drug Metab Dispos.* 2007 Feb;35(2):268-74.
- [3]. Huttner A, et al. Nitrofurantoin revisited: a systematic review and meta-analysis of controlled trials. *J Antimicrob Chemother.* 2015 Sep;70(9):2456-64.
- [4]. Garau J. Other antimicrobials of interest in the era of extended-spectrum beta-lactamases: fosfomycin, nitrofurantoin and tigecycline. *Clin Microbiol Infect.* 2008 Jan;14 Suppl 1:198-202.

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

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