



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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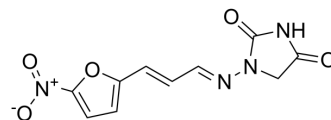
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Furagin (Standard)

Cat. No.:	HY-77036R
CAS No.:	1672-88-4
Molecular Formula:	C ₁₀ H ₈ N ₄ O ₅
Molecular Weight:	264.19
Target:	Bacterial; Antibiotic; Carbonic Anhydrase
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Furagin (Standard) is the analytical standard of Furagin. This product is intended for research and analytical applications. Furagin (Furazidine) is an analogue of Nitrofurantoin (HY-A0090) and has antibacterial activity. Furagin also inhibits human carbonic anhydrases (K_is: 260 and 57 nM for hCA IX and XII, respectively)^{[1][2][3]}.

REFERENCES

- [1]. Mannisto P, et al. Pharmacokinetics of furagin, a new nitrofurantoin congener, on human volunteers. *Int J Clin Pharmacol Biopharm.* 1979 Jun;17(6):264-70.
- [2]. Slapsyte G, et al. Cytogenetic analysis of children under long-term antibacterial therapy with nitroheterocyclic compound furagin. *Mutat Res.* 2001 Apr 5;491(1-2):25-30.
- [3]. Pustenko A, et al. The antibiotic furagin and its derivatives are isoform-selective human carbonic anhydrase inhibitors. *J Enzyme Inhib Med Chem.* 2020 Dec;35(1):1011-1020.

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

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