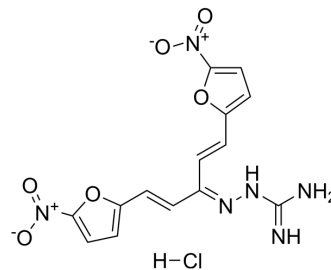


Nitrovin hydrochloride

Cat. No.:	HY-129751
CAS No.:	2315-20-0
Molecular Formula:	C ₁₄ H ₁₃ ClN ₆ O ₆
Molecular Weight:	396.74
Target:	Bacterial; TrxR; Apoptosis
Pathway:	Anti-infection; Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Nitrovin hydrochloride is an antibacterial growth promoter. Nitrovin hydrochloride induces ROS-mediated non-apoptotic and apoptotic-like cell death by targeting TrxR1. Nitrovin hydrochloride has anticancer activity, with IC₅₀ values of 1.31-6.60 μM for tumor and normal cells^[1].

REFERENCES

[1]. Zhao L, et al. Nitrovin (difurazone), an antibacterial growth promoter, induces ROS-mediated paraptosis-like cell death by targeting thioredoxin reductase 1 (TrxR1). *Biochem Pharmacol.* 2023 Apr;210:115487.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA