



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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

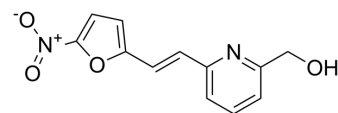
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Nifurpirinol

Cat. No.:	HY-135470
CAS No.:	13411-16-0
Molecular Formula:	C ₁₂ H ₁₀ N ₂ O ₄
Molecular Weight:	246.22
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : ≥ 20.83 mg/mL (84.60 mM) * "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	4.0614 mL	20.3070 mL	40.6141 mL
		5 mM	0.8123 mL	4.0614 mL	8.1228 mL
		10 mM	0.4061 mL	2.0307 mL	4.0614 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1 mg/mL (4.06 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Nifurpirinol (P-7138) is a nitroaromatic antibiotic and acts as a novel substrate for the bacterial nitroreductase (NTR) enzyme. Nifurpirinol is a more potent proagent compared to Metronidazole to trigger cell-ablation in nitroreductase expressing transgenic models ^[1] .
IC ₅₀ & Target	IC50: bacterial nitroreductase (NTR) enzyme ^[1]

REFERENCES

[1]. David Bergemann, et al. Nifurpirinol: A more potent and reliable substrate compared to metronidazole for nitroreductase-mediated cell ablations. Wound Repair Regen

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