



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

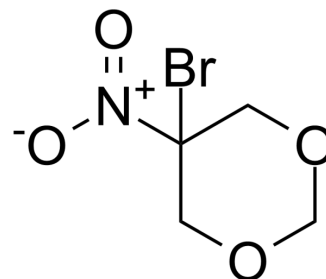
mail@szabo-scandic.com

www.szabo-scandic.com

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

5-Bromo-5-nitro-1,3-dioxane

Cat. No.:	HY-W014316		
CAS No.:	30007-47-7		
Molecular Formula:	C ₄ H ₆ BrNO ₄		
Molecular Weight:	212		
Target:	Bacterial; Fungal		
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 : 100 mg/mL (471.70 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.7170 mL	23.5849 mL	47.1698 mL
	5 mM	0.9434 mL	4.7170 mL	9.4340 mL
	10 mM	0.4717 mL	2.3585 mL	4.7170 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

5-Bromo-5-nitro-1,3-dioxane, an antimicrobial compound, is effective against Gram-positive and Gram-negative bacteria and fungi, including yeast. 5-Bromo-5-nitro-1,3-dioxane inhibits enzyme activity and subsequent inhibition of microbial growth by the oxidation of essential protein thiol^[1].

REFERENCES

[1]. M Ghannoum, et al. Mode of Action of the Antimicrobial Compound 5-bromo-5-nitro-1,3-dioxane (Bronidox). Folia Microbiol (Praha). 1986;31(1):19-31.

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