



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

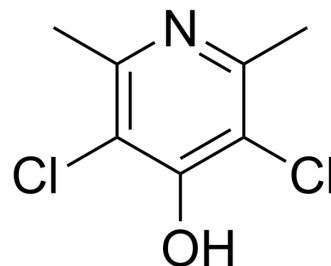
mail@szabo-scandic.com

www.szabo-scandic.com

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

Clopidol

Cat. No.:	HY-B1088		
CAS No.:	2971-90-6		
Molecular Formula:	C ₇ H ₇ Cl ₂ NO		
Molecular Weight:	192.04		
Target:	Parasite; Antibiotic		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

0.1 M NaOH : 26 mg/mL (135.39 mM; ultrasonic and adjust pH to 3 with NaOH)
 DMSO : < 1 mg/mL (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.2072 mL	26.0362 mL	52.0725 mL
	5 mM	1.0414 mL	5.2072 mL	10.4145 mL
	10 mM	0.5207 mL	2.6036 mL	5.2072 mL

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

BIOLOGICAL ACTIVITY

Description	Clopidol (WR-61112) is an anticoccidial agent which is used as feed additive to control coccidiosis in chickens. Clopidol inhibits the sporulation of <i>Eimeria tenella</i> oocysts ^{[1][2]} .	
IC₅₀ & Target	Plasmodium	Coccidia
In Vitro	Clopidol is active against <i>Plasmodium falciparum</i> W2 (chloroquine-resistant) and FCR3 (atovaquone-resistant) strains in the low micromolar range ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
In Vivo	Clopidol (31.25-93.75 mg/kg feed; p.o. for 10 d) decreases rate of oocyst sporulation of <i>Eimeria tenella</i> ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Pang GF, et, al. Determination of clopidol residues in chicken tissues by high-performance liquid chromatography-mass spectrometry. J Chromatogr A. 2000 Jun 16;882(1-2):85-8.

[2]. Arakawa A, et, al. Effects of clopidol on sporulation and infectivity of Eimeria tenella oocysts. Vet Parasitol. 1991 Jan;38(1):55-60.

[3]. Rodrigues T, et, al. Design, synthesis and structure-activity relationships of (1H-pyridin-4-ylidene)amines as potential antimalarials. Bioorg Med Chem Lett. 2009 Jul 1;19(13):3476-80.

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