



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

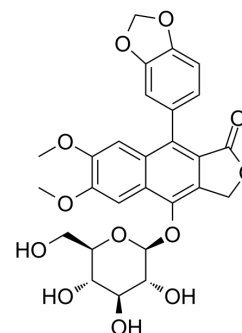
mail@szabo-scandic.com

www.szabo-scandic.com

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

Cleistanthin B

Cat. No.:	HY-N9351
CAS No.:	30021-77-3
Molecular Formula:	C ₂₇ H ₂₆ O ₁₂
Molecular Weight:	542.49
Target:	SARS-CoV
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	Cleistanthin B (Diphyllin O-glucoside) is an orally active aryl-naphthalene lignan lactone glycoside. Cleistanthin B exhibits anti-SARS-CoV-2 effects in Vero cells, with EC ₅₀ of 6.51 μM. Cleistanthin B also exhibits antitumor, diuretic and antihypertensive effects in vivo ^{[1][2][3][4]} .
IC₅₀ & Target	IC ₅₀ : 6.51 μM (SARS-CoV-2) ^[1]
In Vitro	Cleistanthin B exhibits anti-SARS-CoV-2 effects in Vero cells, with EC ₅₀ of 6.51 μM ^[1] . Cleistanthin B shows no cytotoxic to Vero cells in concentrations up to 100 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Cleistanthin B (25-100 mg/kg; p.o. for 10 dys) has antitumor activity against EAC and DAL tumor mice but it is not effective against solid tumor ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Stefanik M, et, al. Antiviral Activity of Vacuolar ATPase Blocker Diphyllin against SARS-CoV-2. *Microorganisms*. 2021 Feb 25;9(3):471.
- [2]. Thummar VR, et, al. Evaluation of in vivo antitumor activity of cleistanthin B in Swiss albino mice. *J Tradit Complement Med*. 2015 Sep 3;6(4):383-388.
- [3]. Parasuraman S, et, al. Diuretic effects of cleistanthin a and cleistanthin B from the leaves of cleistanthus collinus in wistar rats. *J Young Pharm*. 2012 Apr;4(2):73-7.
- [4]. Priyadharsini RP, et, al. Evaluation of the antihypertensive activity and alpha adrenergic receptor interaction of cleistanthins A and B. *J Basic Clin Pharm*. 2014 Sep;5(4):109-14.

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