



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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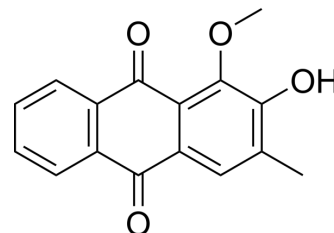
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Digitolutein

Cat. No.:	HY-121211
CAS No.:	477-86-1
Molecular Formula:	C ₁₆ H ₁₂ O ₄
Molecular Weight:	268.26
Target:	Parasite
Pathway:	Anti-infection
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

Ethanol : 30 mg/mL (111.83 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.7277 mL	18.6386 mL	37.2773 mL
	5 mM	0.7455 mL	3.7277 mL	7.4555 mL
	10 mM	0.3728 mL	1.8639 mL	3.7277 mL

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

BIOLOGICAL ACTIVITY

Description	Digitolutein is a natural product that can be isolated from the stem bark and the roots of <i>Morinda lucida</i> Benth. Digitolutein effectively inhibits the growth of <i>Plasmodium falciparum</i> with an IC ₅₀ value of 12.92 µg/mL. Digitolutein can be used for the research of infection ^[1] .
IC ₅₀ & Target	Plasmodium
In Vitro	Digitolutein inhibits 18.5, 43.23, 53.18, 60.76, 75.98 and 82.51% the growth of <i>P. falciparum</i> at doses of 0, 5, 15, 20, 25 and 30 µg/mL, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Koumaglo K, et al. Effects of three compounds extracted from *Morinda lucida* on *Plasmodium falciparum*. *Planta Med.* 1992 Dec;58(6):533-4.

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

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