



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

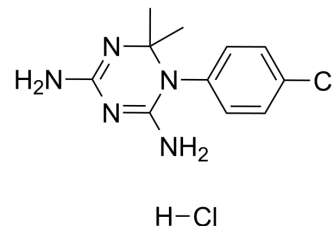
mail@szabo-scandic.com

www.szabo-scandic.com

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

Cycloguanil hydrochloride

Cat. No.:	HY-12784A
CAS No.:	152-53-4
Molecular Formula:	C ₁₁ H ₁₅ Cl ₂ N ₅
Molecular Weight:	288.18
Target:	Parasite; Drug Metabolite
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 62.5 mg/mL (216.88 mM; Need ultrasonic)					
	H ₂ O : 25 mg/mL (86.75 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.4701 mL	17.3503 mL	34.7005 mL
		5 mM		0.6940 mL	3.4701 mL	6.9401 mL
10 mM			0.3470 mL	1.7350 mL	3.4701 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: ≥ 2.08 mg/mL (7.22 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)					
	Solubility: ≥ 2.08 mg/mL (7.22 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil					
	Solubility: ≥ 2.08 mg/mL (7.22 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Cycloguanil hydrochloride, the active metabolite of Proguanil, acts on malaria schizonts in erythrocytes and hepatocytes ^[1] .
-------------	---

REFERENCES

[1]. Matthaeei J, et al. OCT1 Deficiency Affects Hepatocellular Concentrations and Pharmacokinetics of Cycloguanil, the Active Metabolite of the Antimalarial Drug Proguanil. Clin Pharmacol Ther. 2019 Jan;105(1):190-200.

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