



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

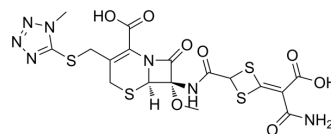
mail@szabo-scandic.com

www.szabo-scandic.com

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

Cefotetan

Cat. No.:	HY-N6670		
CAS No.:	69712-56-7		
Molecular Formula:	C ₁₇ H ₁₇ N ₇ O ₈ S ₄		
Molecular Weight:	575.62		
Target:	Bacterial; 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	DMSO : 250 mg/mL (434.31 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	1.7373 mL	8.6863 mL	17.3726 mL
		5 mM	0.3475 mL	1.7373 mL	3.4745 mL
		10 mM	0.1737 mL	0.8686 mL	1.7373 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: ≥ 1.25 mg/mL (2.17 mM); Clear solution	
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE- β -CD in saline) Solubility: ≥ 1.25 mg/mL (2.17 mM); Clear solution	
3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (2.17 mM); Clear solution	

BIOLOGICAL ACTIVITY

Description	Cefotetan is a semisynthetic cephamycin antibiotic that exerts its bactericidal effects by inhibition of cell-wall synthesis ^[1] .
IC ₅₀ & Target	β-lactam

REFERENCES

[1]. Shi S, et al. Pharmacokinetics and tolerability of intravenous cefotetan disodium for injection in healthy Chinese volunteers: A randomized, open-label, single- and multiple-dose study.

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