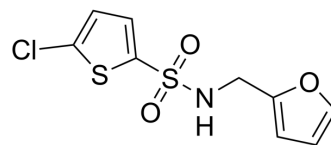


Antimicrobial agent-14

Cat. No.:	HY-148431		
CAS No.:	380576-68-1		
Molecular Formula:	C ₉ H ₈ ClNO ₃ S ₂		
Molecular Weight:	277.75		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (450.05 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.6004 mL	18.0018 mL	36.0036 mL
	5 mM	0.7201 mL	3.6004 mL	7.2007 mL
	10 mM	0.3600 mL	1.8002 mL	3.6004 mL

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

BIOLOGICAL ACTIVITY

Description

Antimicrobial agent-14, a benzyl thiophene sulfonamide derivative is an antimicrobial agent, with a MIC of 200 μM against *Campylobacter coli* ATCC33559. Antimicrobial agent-14 can be used for the research of bacterial foodborne gastroenteritis^[1].

In Vitro

Antimicrobial agent-14 (compound 10) shows the MIC of >200 μM against *Campylobacter jejuni* 81-176^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Deblais L, et, al. Novel narrow spectrum benzyl thiophene sulfonamide derivatives to control *Campylobacter*. J Antibiot (Tokyo). 2019 Jul;72(7):555-565.

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