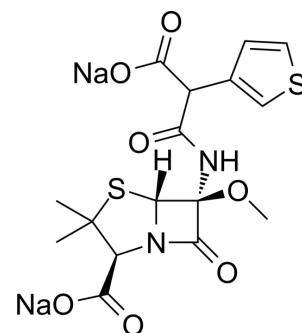


Temocillin disodium

Cat. No.:	HY-139597
CAS No.:	61545-06-0
Molecular Formula:	C ₁₆ H ₁₆ N ₂ Na ₂ O ₇ S ₂
Molecular Weight:	458.42
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

H₂O : 250 mg/mL (545.35 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1814 mL	10.9070 mL	21.8141 mL
	5 mM	0.4363 mL	2.1814 mL	4.3628 mL
	10 mM	0.2181 mL	1.0907 mL	2.1814 mL

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

BIOLOGICAL ACTIVITY

Description

Temocillin disodium, a 6- α -methoxy penicillin, possesses antibacterial activity^[1].

In Vivo

Temocillin dosing regimens of 200 mg/kg every 4 and 6 h remained significantly effective in reducing bacterial titres in kidneys against the two strains, with no significant difference between the parental strain and its transconjugant^[2].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. K Jules, et al. Antibacterial activity and beta-lactamase stability of temocillin. *Antimicrob Agents Chemother.* 1982 Sep;22(3):453-60.

[2]. J F Soubirou, et al. Activity of temocillin in a murine model of urinary tract infection due to *Escherichia coli* producing or not producing the ESBL CTX-M-15. *J Antimicrob Chemother.* 2015 May;70(5):1466-72.

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