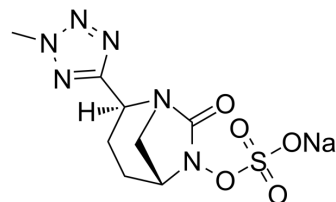


Antibacterial agent 58

Cat. No.:	HY-139775
CAS No.:	1426572-65-7
Molecular Formula:	C ₈ H ₁₁ N ₆ NaO ₅ S
Molecular Weight:	326.26
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antibacterial agent 58, an antibacterial agent, significantly lowers MIC value of antibacterial agent Ceftazidime ^[1] .
In Vitro	<p>Antibacterial agent 58 (example 23) significantly lowers MIC value of Ceftazidime (MIC=1, 2, 8 mcg/ml for E. coli NCTC 1335 1, E. coli M50, and E. coli 7MP, respectively). Antibacterial agent 58 significantly lowers MIC values of the antibacterial agent Ceftazidime (MIC=0.2~2 mcg/ml for class A ESBL; 2-8 mcg/ml for class C ESBL; 4-8 mcg/ml for KPC ESBL)^[1]. From WO2013030735A1, example 23.</p> <p>Class A ESBL: E.coli W 13353; E.coli W3351; E.coli W 13352 Class C ESBL: E.coli M 50; E.coli 7 MIP; E.coli B 89 KPC ESBL: K.pneumoniae H 520; K.pneumoniae H 521; K. pneumoniae H 522 Class D ESBL: A.baumannii13301; A.baumannii 13304</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Sachin Bhagwat, et al. 1,6- diazabicyclo [3,2,1] octan- 7 - one derivatives and their use in the treatment of bacterial infections.

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