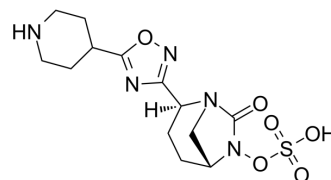


Antibacterial agent 60

Cat. No.:	HY-139777
CAS No.:	1426572-68-0
Molecular Formula:	C ₁₃ H ₁₉ N ₅ O ₆ S
Molecular Weight:	373.38
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antibacterial agent 60, an antibacterial agent, significantly lowers MIC value of antibacterial agent Ceftazidime ^[1] .
In Vitro	<p>Antibacterial agent 60 (example 26) significantly lowers MIC value of Ceftazidime (MIC=1, 1, 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=0.25~4 mcg/ml for class A ESBL; 1-8 mcg/ml for class C ESBL; 1-4 mcg/ml for KPC ESBL; 16, >32 for class D A.Baumannii13301 A.baumannii 13304, respectively)^[1]. From WO2013030735A1, example 26.</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.

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