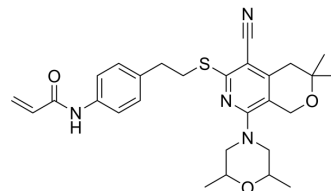


MBX3135

Cat. No.:	HY-157987
CAS No.:	1636878-36-8
Molecular Formula:	C ₂₈ H ₃₄ N ₄ O ₃ S
Molecular Weight:	506.66
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MBX3135 is an efflux pump inhibitor which can enhance the effect of antibiotics through the AcrB target of bacteria. MBX3135 can be used for research of infection and antibiotics ^[1] .
In Vitro	MBX3135 (0.024-0.39 μM, 4 h) potentiates the bactericidal activity of a minimally bactericidal dose of ciprofloxacin (0.01 μg/mL) against <i>E. coli</i> ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sjuets H, et al. Molecular basis for inhibition of AcrB multidrug efflux pump by novel and powerful pyranopyridine derivatives. Proc Natl Acad Sci U S A. 2016 Mar 29;113(13):3509-14.

Caution: Product has not been fully validated for medical applications. For research use only.

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