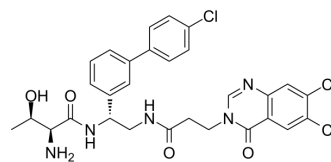


Antibacterial agent 93

Cat. No.:	HY-146266
CAS No.:	3031483-25-4
Molecular Formula:	C ₂₉ H ₂₈ Cl ₃ N ₅ O ₄
Molecular Weight:	616.92
Target:	Bacterial; Aminoacyl-tRNA Synthetase
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antibacterial agent 93 (compound 36l) is a potent aminoacyl-tRNA synthetases (aaRS) inhibitor. Antibacterial agent 93 shows antibacterial activities against some gram-positive and -negative bacteria ^[1] .
In Vitro	Antibacterial agent 93 (compound 36l) shows antibacterial with MICs of 4, 4, 4, ≥128, ≥128, 8, 4 µg/mL for Staphylococcus aureus ATCC29213, Enterococcus faecalis ATCC29212, MRSAR3708, Staphylococcus enterica, Escherichia coli, Escherichia coli Keio Strain-acrB, Pseudomonas aeruginosa ATCC27853, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Cai Z, et al. Design, Synthesis, and Proof-of-Concept of Triple-Site Inhibitors against Aminoacyl-tRNA Synthetases. J Med Chem. 2022 Apr 14;65(7):5800-5820.

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

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