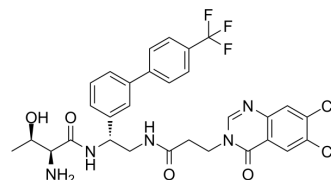


## Antibacterial agent 92

Cat. No.:	HY-146265
Molecular Formula:	C <sub>30</sub> H <sub>28</sub> Cl <sub>2</sub> F <sub>3</sub> N <sub>5</sub> O <sub>4</sub>
Molecular Weight:	650.48
Target:	Aminoacyl-tRNA Synthetase; Bacterial
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Antibacterial agent 92 (Compound 36k) is a triple-site aminoacyl-tRNA synthetase (aaRS) inhibitor with an IC <sub>50</sub> of 0.58 μM against <i>Salmonella enterica</i> threonyl-tRNA synthetase (SeThrRS). Antibacterial agent 92 exhibits antibacterial activities <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 0.58 μM (SeThrRS) <sup>[1]</sup>
In Vitro	Antibacterial agent 92 (Compound 36k) binds to the ATP site of SeThrRS <sup>[1]</sup> . 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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