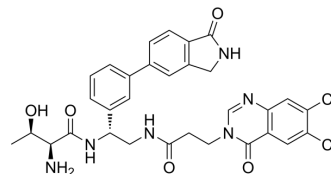


ThrRS-IN-3

Cat. No.:	HY-146263
Molecular Formula:	C ₃₁ H ₃₀ Cl ₂ N ₆ O ₅
Molecular Weight:	637.51
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ThrRS-IN-3 (compound 36j) is a highly potent threonyl-tRNA synthetase (ThrRS) inhibitor, with an IC ₅₀ value of 19 nM and a K _d of 34 nM for <i>Salmonella enterica</i> ThrRS. ThrRS-IN-3 has antibacterial activities ^[1] .
IC ₅₀ & Target	IC ₅₀ : 19 nM (SeThrRS) ^[1] K _d : 34 nM (SeThrRS) ^[1]

REFERENCES

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

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

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