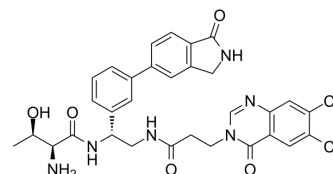


## ThrRS-IN-3

Cat. No.:	HY-146263
CAS No.:	3031483-23-2
Molecular Formula:	C <sub>31</sub> H <sub>30</sub> Cl <sub>2</sub> N <sub>6</sub> O <sub>5</sub>
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 <sub>50</sub> value of 19 nM and a K <sub>d</sub> of 34 nM for Salmonella enterica ThrRS. ThrRS-IN-3 has antibacterial activities <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 19 nM (SeThrRS) <sup>[1]</sup> K <sub>d</sub> : 34 nM (SeThrRS) <sup>[1]</sup>

### 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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