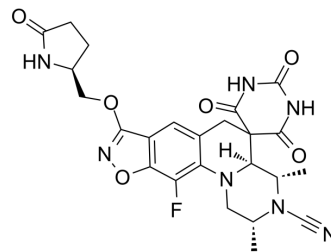


## DNA Gyrase-IN-1

Cat. No.:	HY-147000
CAS No.:	3031486-11-7
Molecular Formula:	C <sub>24</sub> H <sub>24</sub> FN <sub>7</sub> O <sub>6</sub>
Molecular Weight:	525.49
Target:	Bacterial; DNA/RNA Synthesis
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	DNA Gyrase-IN-1 (compound 42) is a potent and selective DNA gyrase inhibitor with an IC <sub>50</sub> value of 2.6 μM. DNA Gyrase-IN-1 has high inhibitory activity against Mycobacterium tuberculosis (Mtb) with MIC of 0.49 μM. DNA Gyrase-IN-1 can be used for researching tuberculosis <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 2.6 μM (DNA gyrase) <sup>[1]</sup> MIC: 0.49 μM (Mtb) <sup>[1]</sup>

### REFERENCES

[1]. Govender P, et al. Spiropyrimidinetrione DNA Gyrase Inhibitors with Potent and Selective Antituberculosis Activity. J Med Chem. 2022;65(9):6903-6925.

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

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