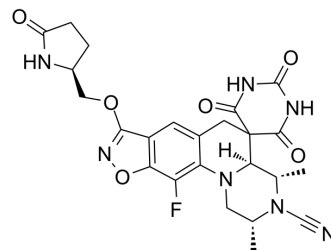


DNA Gyrase-IN-1

Cat. No.:	HY-147000
Molecular Formula:	C ₂₄ H ₂₄ FN ₇ O ₆
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 ₅₀ 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 ^[1] .
IC₅₀ & Target	IC ₅₀ : 2.6 μM (DNA gyrase) ^[1] MIC: 0.49 μM (Mtb) ^[1]

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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