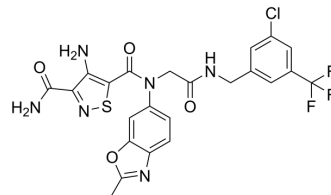


DNA gyrase B-IN-1

Cat. No.:	HY-147945
Molecular Formula:	C ₂₃ H ₁₈ ClF ₃ N ₆ O ₄ S
Molecular Weight:	566.94
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 B-IN-1 (compound 13) is a potent DNA gyrase B inhibitor. DNA gyrase B-IN-1 shows inhibition of <i>P. aeruginosa</i> DNA gyrase B, with an IC ₅₀ of 2.2 μM. DNA gyrase B-IN-1 has good binding affinity and stability ^[1] .
IC ₅₀ & Target	IC ₅₀ : 2.2 ± 0.08 μM (Pa DNA gyrase B) ^[1]

REFERENCES

[1]. Jogula S, et al. Design, synthesis and biological evaluation of novel *Pseudomonas aeruginosa* DNA gyrase B inhibitors. *Bioorg Chem.* 2020 Jul;100:103905.

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

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