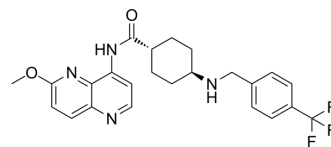


NBTIs-IN-5

Cat. No.:	HY-143483
Molecular Formula:	C ₂₄ H ₂₅ F ₃ N ₄ O ₂
Molecular Weight:	458.48
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	NBTIs-IN-5 (Compound 5r) is a NBTI (Novel Bacterial Topoisomerase Inhibitor) DNA gyrase inhibitor with an IC ₅₀ of 1.5 μM against Mycobacterium abscessus (Mabs) DNA gyrase. NBTIs-IN-5 inhibits Mabs bamboo bacterial growth with an MIC ₉₀ of 0.4 μM ^[1] .
IC ₅₀ & Target	IC ₅₀ : 1.5 μM (Mabs DNA gyrase) ^[1]

REFERENCES

[1]. Beuchel A, et al. Structure-Activity Relationship of Anti-Mycobacterium abscessus Piperidine-4-carboxamides, a New Class of NBTI DNA Gyrase Inhibitors. ACS Med Chem Lett. 2022 Feb 28;13(3):417-427.

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

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