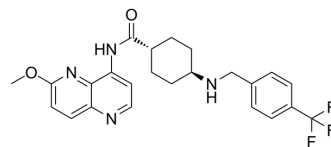


## NBTIs-IN-5

Cat. No.:	HY-143483
CAS No.:	2767443-78-5
Molecular Formula:	C <sub>24</sub> H <sub>25</sub> F <sub>3</sub> N <sub>4</sub> O <sub>2</sub>
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 <sub>50</sub> of 1.5 μM against Mycobacterium abscessus (Mabs) DNA gyrase. NBTIs-IN-5 inhibits Mabs bamboo bacterial growth with an MIC <sub>90</sub> of 0.4 μM <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 1.5 μM (Mabs DNA gyrase) <sup>[1]</sup>

## 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA