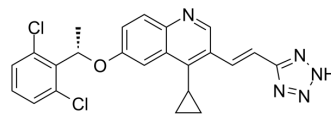


MsbA-IN-5

Cat. No.:	HY-144284
Molecular Formula:	C ₂₃ H ₁₉ Cl ₂ N ₅ O
Molecular Weight:	452.34
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MsbA-IN-5 (compound 40) is a potent and highly selective MsbA inhibitor with an IC ₅₀ value of 2 nM. MsbA-IN-5 has inhibitory activity against <i>Escherichia coli</i> , <i>Klebsiella pneumoniae</i> , and <i>Enterobacter cloacae</i> with MICs of 12 μM, 12 μM and 25 μM, respectively. MsbA-IN-5 can be used for researching anti-Gram-negative bacteria ^[1] .
IC ₅₀ & Target	IC ₅₀ : 2 nM (MsbA) ^[1]

REFERENCES

[1]. Verma VA, et al. Discovery of Inhibitors of the Lipopolysaccharide Transporter MsbA: From a Screening Hit to Potent Wild-Type Gram-Negative Activity. *J Med Chem.* 2022;65(5):4085-4120.

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

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