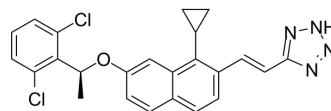


MsbA-IN-6

Cat. No.:	HY-130004
CAS No.:	2909443-13-4
Molecular Formula:	C ₂₄ H ₂₀ Cl ₂ N ₄ O
Molecular Weight:	451.35
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MsbA-IN-6 is a potent inhibitor of MsbA. MsbA-IN-6 is an antibiotic. Gram-negative ATP-binding cassette (ABC) transporter MsbA, an essential inner membrane protein, transports lipopolysaccharide from the inner leaflet to the periplasmic face of the inner membrane. MsbA-IN-6 kills Escherichia coli through inhibition of its ATPase and transport activity, with no loss of activity against clinical multidrug-resistant strains ^{[1][2]} .
IC ₅₀ & Target	MsbA ^[1]

REFERENCES

[1]. Alexander MK, et al. Disrupting Gram-Negative Bacterial Outer Membrane Biosynthesis through Inhibition of the Lipopolysaccharide Transporter MsbA. Antimicrob Agents Chemother. 2018;62(11):e01142-18.

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

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