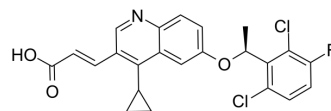


## MsbA-IN-1

Cat. No.:	HY-144279
CAS No.:	2918334-61-7
Molecular Formula:	C <sub>23</sub> H <sub>18</sub> Cl <sub>2</sub> FNO <sub>3</sub>
Molecular Weight:	446.3
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	MsbA-IN-1 is a highly potent MsbA inhibitor with IC <sub>50</sub> of 4 nM. MsbA-IN-1 has activity against wild-type E. coli with MIC of 79 μM. MsbA-IN-1 possesses sufficient permeability across the fully intact outer membrane of Gram-negative bacteria to inhibit MsbA <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 4 nM (MsbA) <sup>[1]</sup>

### REFERENCES

[1]. Verma VA, Wang L, Labadie SS, 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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