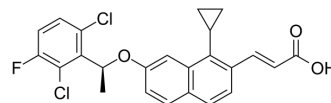


## G247

Cat. No.:	HY-145416
Molecular Formula:	C <sub>24</sub> H <sub>19</sub> Cl <sub>2</sub> FO <sub>3</sub>
Molecular Weight:	445.31
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	G247 is a specific MsbA inhibitor. G247 acts as a transmembrane domains (TMDs) wedge, symmetrically increasing nucleotide-binding domains (NBDs) separation and preventing conformational transition of MsbA. G247 suppresses ATPase activity by increasing inter-NBD distance <sup>[1]</sup> .
IC <sub>50</sub> & Target	MsbA <sup>[1]</sup>

### REFERENCES

[1]. Thélot FA, Zhang W, Song K, Xu C, Huang J, Liao M. Distinct allosteric mechanisms of first-generation MsbA inhibitors. *Science*. 2021;374(6567):580-585.

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

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