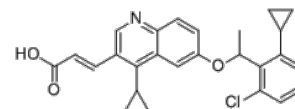


Product Name : G907
Cat. No. : PC-63482
CAS No. : 2244035-16-1
Molecular Formula : C₂₆H₂₄ClNO₃
Molecular Weight : 433.932
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

G907 is a potent, selective small-molecule antagonist of ATP-binding cassette (ABC) transporter **MsbA** with IC₅₀ of 18 nM. G907 traps MsbA in an inward-facing, lipopolysaccharide-bound conformation by wedging into an architecturally conserved transmembrane pocket. G907 inhibits the growth of wild-type *E. coli* and *Klebsiella pneumoniae* with MIC of 5.6 ug/ml.

References

Ho H, et al. *Nature*. 2018 May 2. doi: 10.1038/s41586-018-0083-5.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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