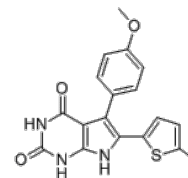


Product Name : G0507
Cat. No. : PC-62513
CAS No. : 1223998-29-5
Molecular Formula : C₁₈H₁₅N₃O₃S
Molecular Weight : 353.396
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

G0507 is a novel inhibitor of the bacterial **LoICDE** ABC transporter, binds to LoICDE and stimulates its ATPase activity.

G0507 treatment results in accumulation of fully processed Lpp, an outer membrane lipoprotein, in the inner membrane in *E. coli* cells.

G0507 still binds to LoICDE harboring a LoICQ258K mutation, which confers high-level resistance to G0507 in vivo, but no longer stimulates ATPase activity.

G0507 is a useful chemical probe to dissect lipoprotein trafficking in Gram-negative bacteria.

References

Nickerson NN, et al. *Antimicrob Agents Chemother.* 2018 Jan 16. pii: AAC.02151-17.

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

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