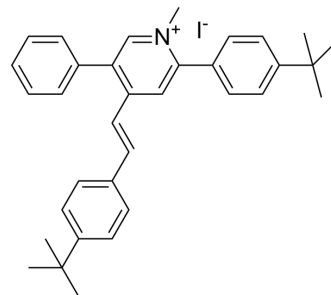


MA220607

Cat. No.:	HY-149734
CAS No.:	2922826-56-8
Molecular Formula:	C ₃₄ H ₃₈ IN
Molecular Weight:	587.58
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MA220607 is an antibacterial agent with low hemolytic toxicity and a dual-target mechanism of action (MOA). MA220607 promotes FtsZ protein polymerization, also increases the permeability of bacterial membranes and inhibits biofilm formation. The resistance rate of MA220607 is low, and the MICs against Gram-positive bacteria and Gram-negative bacteria are Table 0.062-2 µg/mL and 0.5-4 µg/mL, respectively) ^[1] .
IC ₅₀ & Target	FtsZ ^[1]

REFERENCES

[1]. Ma Y et al. New broad-spectrum and potent antibacterial agents with dual-targeting mechanism: Promoting FtsZ polymerization and disrupting bacterial membranes. Eur J Med Chem. 2023 Nov 7;263:115930.

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

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