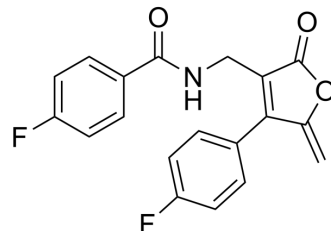


Quorum Sensing-IN-2

Cat. No.:	HY-149881
CAS No.:	2925926-80-1
Molecular Formula:	C ₁₉ H ₁₃ F ₂ NO ₃
Molecular Weight:	341.31
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Quorum Sensing-IN-2 (compound 23e) is a quorum sensing inhibitor, which can reduce the pathogenicity of bacteria without affecting bacterial growth. Quorum Sensing-IN-2 inhibits bacterial infections with little hemolytic activity. Quorum Sensing-IN-2 shows synergistic effect with Ciprofloxacin (HY-B0356) in the bacteremia model infected with *P. aeruginosa* PAO1^[1].

REFERENCES

[1]. Zhang P, et al. Design and Synthesis of 4-Fluorophenyl-5-methylene-2(5H)-furanone Derivatives as Potent Quorum Sensing Inhibitors. *J Med Chem.* 2023 Jul 13;66(13):8441-8463.

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

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