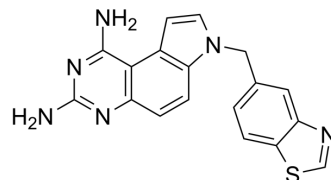


DHFR-IN-8

Cat. No.:	HY-156122
CAS No.:	3032441-09-8
Molecular Formula:	C ₁₈ H ₁₄ N ₆ S
Molecular Weight:	346.41
Target:	Dihydrofolate reductase (DHFR); Bacterial
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

DHFR-IN-8 (compound 6r) is a dihydrofolate reductase (DHFR) inhibitor that affects purine and thymidylate biosynthesis in cell proliferation and growth. DHFR-IN-8 inhibits methicillin-resistant *Staphylococcus aureus* (MRSA) ATCC 43300 (IC₅₀=15.6 ng/mL) in mouse models of systemic infection and thigh infection^[1].

REFERENCES

[1]. Zhu Z, et al. Exploration and Biological Evaluation of 1, 3-Diamino-7 H-pyrrol [3, 2-f] quinazoline Derivatives as Dihydrofolate Reductase Inhibitors[J]. Journal of Medicinal Chemistry, 2023.. .

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

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