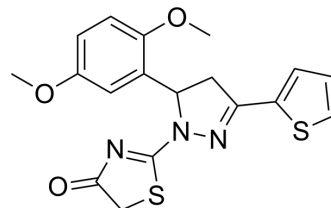


DHFR-IN-11

Cat. No.:	HY-156414
Molecular Formula:	C ₁₈ H ₁₇ N ₃ O ₃ S ₂
Molecular Weight:	387.48
Target:	Dihydrofolate reductase (DHFR)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DHFR-IN-11 (compound 6b) is inhibitor of DHFR, and has inhibitory potency versus <i>M. tuberculosis</i> DHFR enzyme with IC ₅₀ values 5.70 μM ^[1] .
IC ₅₀ & Target	5.70 μM versus <i>M. tuberculosis</i> DHFR enzyme ^[1] .

REFERENCES

[1]. Dawood DH, et, al. New Thiophenyl-pyrazolyl-thiazole Hybrids as DHFR Inhibitors: Design, Synthesis, Antimicrobial Evaluation, Molecular Modeling, and Biodistribution Studies. ACS Omega. 2023 Oct 13;8(42):39250-39268.

[2]. Dawood DH, et al. New Thiophenyl-pyrazolyl-thiazole Hybrids as DHFR Inhibitors: Design, Synthesis, Antimicrobial Evaluation, Molecular Modeling, and Biodistribution Studies. ACS Omega. 2023;8(42):39250-39268. Published 2023 Oct 13.

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

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