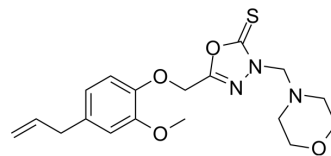


TS-IN-2

Cat. No.:	HY-149849
CAS No.:	2945983-00-4
Molecular Formula:	C ₁₈ H ₂₃ N ₃ O ₄ S
Molecular Weight:	377.46
Target:	Thymidylate Synthase
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

TS-IN-2 (compound 17) is a thymidylate synthase (TS) inhibitor with an IC₅₀ of 0.81 μM. TS-IN-2 induces cancer cell apoptosis and cell cycle arrest in S phase, and also inhibit DNA synthesis, resulting in DNA damage^[1].

REFERENCES

[1]. Syed Nazreen, et al. New Natural Eugenol Derivatives as Antiproliferative Agents: Synthesis, Biological Evaluation, and Computational Studies. ACS Omega. 2023 May 15;8(21):18811-18822.

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

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