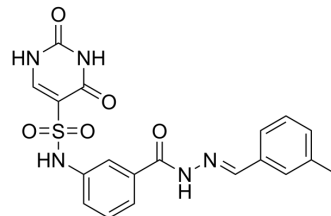


## DG1

Cat. No.:	HY-149352
Molecular Formula:	C <sub>19</sub> H <sub>17</sub> N <sub>5</sub> O <sub>5</sub> S
Molecular Weight:	427.43
Target:	Thymidylate Synthase
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

DG1 (Compound 8Nc) is a Thymidylate Synthase (TS) inhibitor that affects cancer angiogenesis and metabolic reprogramming in NSCLC cells. DG1 can effectively inhibit the expression of CD26, ET-1, FGF-1 and EGF. DG1 also effectively inhibits the proliferation of cancer tissue in the A549 xenograft mouse model<sup>[1]</sup>.

## REFERENCES

[1]. Dong G, et al. Discovery of novel thymidylate synthase (TS) inhibitors that influence cancer angiogenesis and metabolic reprogramming in NSCLC cells. *Eur J Med Chem.* 2023 Oct 5;258:115600.

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

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