Product Datasheet

MOMA-341

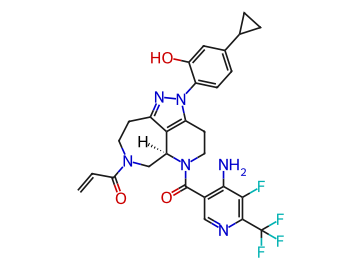
Catalog No. **BP-06765** · CAS **3078276-74-8** · Form **free base** · Physical state **solid** · Version **1.0** · Revision **2026-11-16**

FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY USE.

Target	Research area
DNA/RNA Synthesis	**Cancer**

Molecular formula	$C_{28}H_{26}F_4N_6O_3$
Molecular weight	**570.5381**

STRUCTURE



DESCRIPTION

MOMA-341 is a selective Werner RecQ like helicase (WRN) inhibitor. MOMA-341 binds to WRN at cysteine 727 through an allosteric and ATP-competitive binding mechanism. MOMA-341 induces DNA damage, cell death, and tumor regressions in mismatch-repair deficient (dMMR)/microsatellite instability high (MSI-H) mice model. MOMA-341 has antitumor activity, promising for advanced and metastatic solid tumors research .

BIOLOGICAL ACTIVITY

In Vivo

MOMA-341 induces DNA damage, cell death, and tumor regressions in mismatch-repair deficient (dMMR)/microsatellite instability high (MSI-H) mice model[1].

SOLUBILITY

soluble in DMSO

REFERENCES

[1]. Tubbs A, et al. Direct measurement of TA repeat expansions significantly outperforms MSI-H status as a predictor of sensitivity to the novel WRN inhibitor MOMA-341[J]. Cancer Research, 2025, 85(8_Supplement_1): 4205-4205.