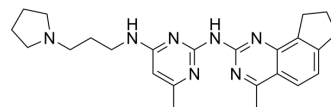


Antitumor agent-84

Cat. No.:	HY-152537
Molecular Formula:	C ₂₄ H ₃₁ N ₇
Molecular Weight:	417.55
Target:	G-quadruplex
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antitumor agent-84 (compound 21a) is a G-quadruplex (G4)-ligand with the ability to stabilize different G4-DNA structures. Antitumor agent-84 has highly effective anti-tumor properties ^[1] .
In Vitro	Antitumor agent-84 stabilizes the c-MYC Pu24T, c-MYC Pu22, CKit1, CKit2, KRAS and G4 DNA structures ^[1] . Antitumor agent-84 (1-10000 nM) inhibits tumor organoids and cancer activated fibroblast (CAF) cells with IC ₅₀ values of 161 and 2515 nM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Bhuma N, et al. The effect of side chain variations on quinazoline-pyrimidine G-quadruplex DNA ligands. Eur J Med Chem. 2023 Feb 15;248:115103.

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

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