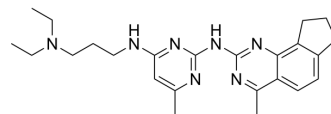


## Antitumor agent-85

Cat. No.:	HY-152538
Molecular Formula:	C <sub>24</sub> H <sub>33</sub> N <sub>7</sub>
Molecular Weight:	419.57
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-85 is a G-quadruplex (G4)-ligand with the ability to stabilize different G4-DNA structures. Antitumor agent-85 has highly effective anti-tumor properties <sup>[1]</sup> .
In Vitro	Antitumor agent-85 (compound 22a) stabilizes the c-MYC Pu24T, c-MYC Pu22, CK1t1, CK1t2, KRAS and G4 DNA structures <sup>[1]</sup> . Antitumor agent-85 (1-10000 nM) inhibits tumor organoids and cancer activated fibroblast (CAF) cells with IC <sub>50</sub> values of 193 and 2816 nM, respectively <sup>[1]</sup> . 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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