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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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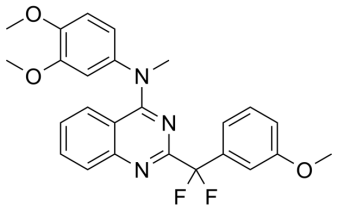
Anticancer agent 198

Cat. No.:	HY-158025
Molecular Formula:	$C_{25}H_{23}F_2N_3O_3$
Molecular Weight:	451.47
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Anticancer agent 198 (compound 18b) is a potent anticancer agent and potential WRN protein inhibitor. Anticancer agent 198 was significantly toxic to K562 cells and WRN-overexpressing PC3 cells[1].

In Vitro

Anticancer agent 198 significantly inhibits the survival of PC3-WRN cells, with IC20 of 0.12 μM and 0.98 μM between PC3-WRN (OE) cells and PC3 cells, respectively[1].

Anticancer agent 198 (5 μM) against several cancers The IC_{50}s of the cell lines are >10 μM (PC3 cells), 0.05 μM (K562 cells), and 1.1 μM (293T cells)[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Viability Assay[1]

Cell Line:	PC3, K562, A549, HeLa, 293T cells
Concentration:	5 μM
Incubation Time:	
Result:	Showed inhibition rates of 62.7% (PC3), 65.57% (K562), 53.27% (HeLa), 51.27% (A549), 63.67% (293T), respectively.

REFERENCES

[1]. Wang M, et al. Design, synthesis and antitumor activity of 2-substituted quinazoline-4-amine derivatives. Bioorg Med Chem. 2024 Mar 15;102:117660.

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