Anticancer agent 71

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Cat. No.: CAS No.: Molecular Formula: Molecular Weight: Target: Pathway: Storage:	HY-147906 2453228-45-8 C ₁₈ H ₁₃ ClF ₃ N ₅ O 407.78 Apoptosis; PARP Apoptosis; Cell Cycle/DNA Damage; Epigenetics Please store the product under the recommended conditions in the Certificate of Analysis	$ \begin{array}{c} $
	Analysis.	

Product Data Sheet

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Description	Anticancer agent 71 (Compo cycle at G2/M phase and indu expression levels. Anticancer	und 4b) is a potent anticancer agent and induces apoptosis. Anticancer agent 71 arrests cell uces apoptosis through upregulating Bax, Ikb- α and cleaved PARP and downregulating Bcl-2 r agent 71 shows antiproliferative activity ^[1] .
In Vitro	Anticancer agent 71 (Compo antitumor activities against S Anticancer agent 71 (Compo Anticancer agent 71 (Compo cleaved PARP and downregu MCE has not independently o Cell Cytotoxicity Assay ^[1]	und 4b) (0.1-50 μ M, 24 hours; SW480 and PC3 cells) increases the cytotoxicity and exerts potent SW480 and PC3 cells ^[1] . und 4b) (11.08 μ M, 24 hours; SW480 cells) induces a significant G2/M phase arrest ^[1] . und 4b) (11.08 μ M, 24 hours) induces apoptosis in SW480 cells by upregulating Bax, Ikb- α and lating Bcl-2 expression ^[1] . confirmed the accuracy of these methods. They are for reference only.
	Cell Line:	SW480 and PC3 cells
	Concentration:	0.1, 1, 12.5, 25 and 50 μM
	Incubation Time:	24 hours
	Result:	Inhibited with IC $_{50}$ values of 11.08 and 17.39 μM for SW480 and PC3 cells, respectively.
	Cell Cycle Analysis ^[1]	
	Cell Line:	SW480 cells
	Concentration:	11.08 μM
	Incubation Time:	24 hours
	Result:	The cell population percent at G2/M phase increased to 45.3%.
	Apoptosis Analysis ^[1]	
	Cell Line:	SW480 cells
	Concentration:	11.08 μΜ

Incubation Time:	24 hours
Result:	The percentage of cells in early and late apoptosis was recorded as 5.69% and 3.52% respectively.
Western Blot Analysis ^[1]	
Cell Line:	SW480 cells
Concentration:	11.08 μΜ
Incubation Time:	24 hours
Result:	The expression of antiapoptotic protein Bcl-2 decreased and the expression of Pro apoptotic Bax increased.

REFERENCES

[1]. Kilic-Kurt Z, et al. Synthesis and anticancer activity of some pyrimidine derivatives with aryl urea moieties as apoptosis-inducing agents. Bioorg Chem. 2020 Aug;101:104028.

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

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