

SUPPLEMENTARY MATERIALS K. A. IVANENKO, ET AL. "THE HYPOMETHYLATING AGENT 5-AZACITIDINE POTENTIATES THE EFFECT OF RAS AND Sp1 INHIBITORS IN NEUROBLASTOMA CELLS"
Table S1. Concentrations and manufacturers of the drugs used in the study

Name	Concentration	Manufacturer
5-Azacitidine	0–20 μ M	Sigma-Aldrich
BI2536	10 nM	MedChemExpress
PD184352	10 nM	Selleckchem
Axitinib	0.5 μ M	Sigma-Aldrich
Belinostat	0.1 μ M	Selleckchem
Bortezomib	0.75 nM	Selleckchem
Volasertib	25 nM	Selleckchem
Vorinostat	1 μ M	Selleckchem
Gefitinib	1 μ M	Selleckchem
Dactolisib	50 nM	Selleckchem
Dexamethasone	25 μ M	Selleckchem
Lonafarnib	5 μ M	Selleckchem
Metformin	50 μ M	Macklin
Mithramycin A	15 nM	Sigma-Aldrich
Palbociclib	0.1 μ M	Macklin
Sorafenib	2.5 μ M	Macklin
Staurosporine	10 nM	Macklin
Talazoparib	25 nM	Selleckchem
Entinostat	1 μ M	MedChemExpress
Entrectinib	1 μ M	Selleckchem

Table S1 lists the final concentrations of drugs used in the study.

Table S2. Characteristics of the dyes used in the study

Dye	Concentration	Staining time	Channel excitation wavelength, nm	Channel emission wavelength, nm
TMRE	0.1 μ M	30 min	541–551	565–605
Tubulin Tracker™ Deep Red	0.33 μ g/mL	30 min	590–650	662–738
LumiTracker® LysoGreen	0.1 μ M	5 min	460–500	512–542
Hoechst-33342	1 μ g/mL	30 min	325–375	435–485
HMRhoNox-M	2 μ M	30 min	541–551	565–605
NucView® 488	2 μ M	30 min	460–500	512–542
7-Aminoactinomycin	1 μ g/mL	0 min	590–650	662–738

The cells were stained with dyes in the final concentrations specified in Table S2. The dyes were detected using a fluorescence microscope in the channels with specified excitation and emission wavelengths.

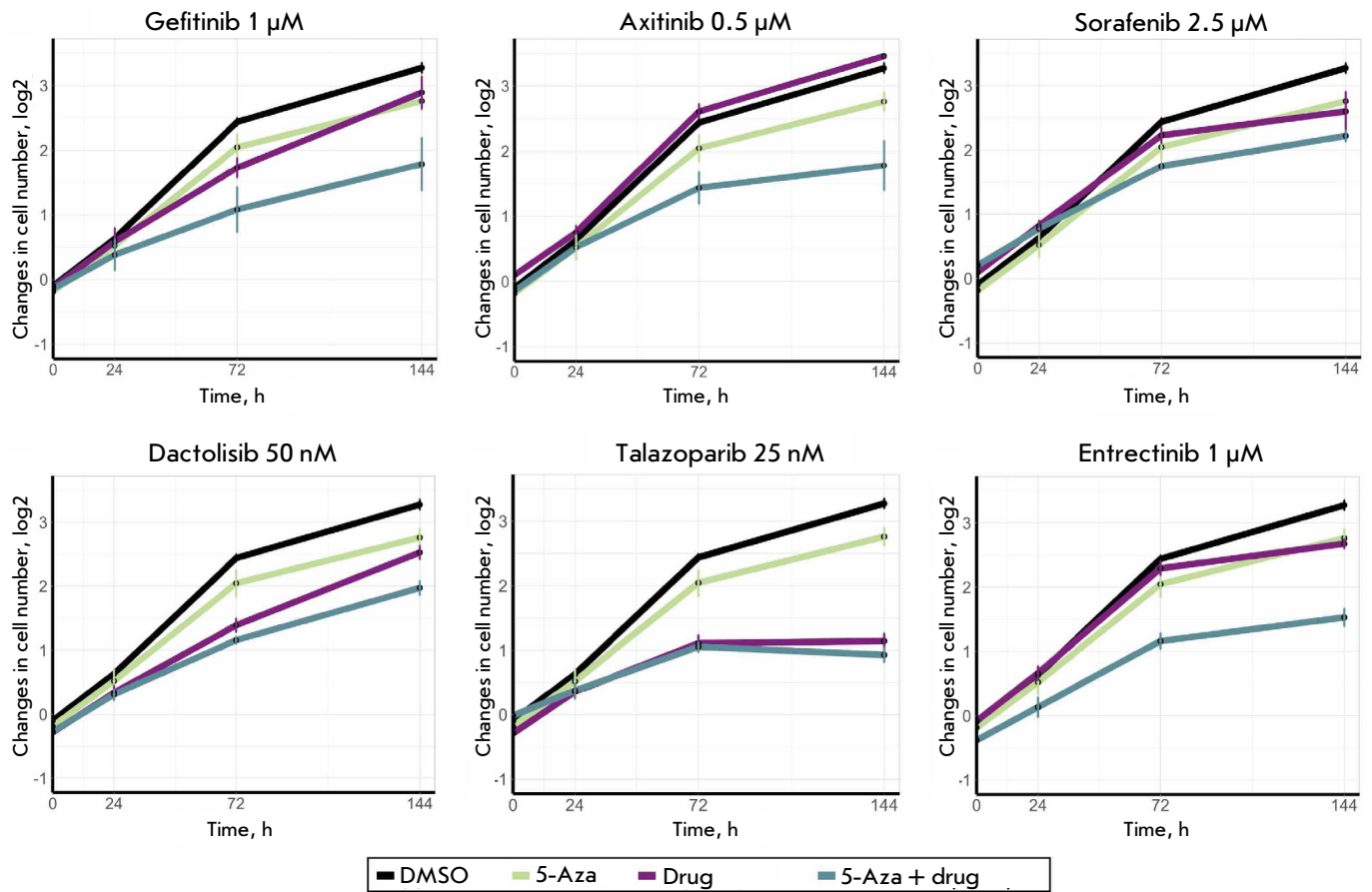


Fig. S1. The effectiveness of combinations of 5-azacitidine (5-Aza) with antitumor drugs for human neuroblastoma SH-SY5Y cells. The cells were simultaneously treated with 2.5 μ M 5-Aza and an antitumor drug (drugs and their concentrations are shown in the figure) and co-incubated for 144 h. Cells incubated with dimethyl sulfoxide (DMSO) were used as the controls. The diagrams show the average value of three replicates; the standard deviation (SD) is provided