

Supplementary Material

Antitumour active isopropylated fused azaisocytosine-containing congeners are safe for developing *Danio rerio* as well as red blood cells and activate apoptotic caspases in human breast carcinoma cells

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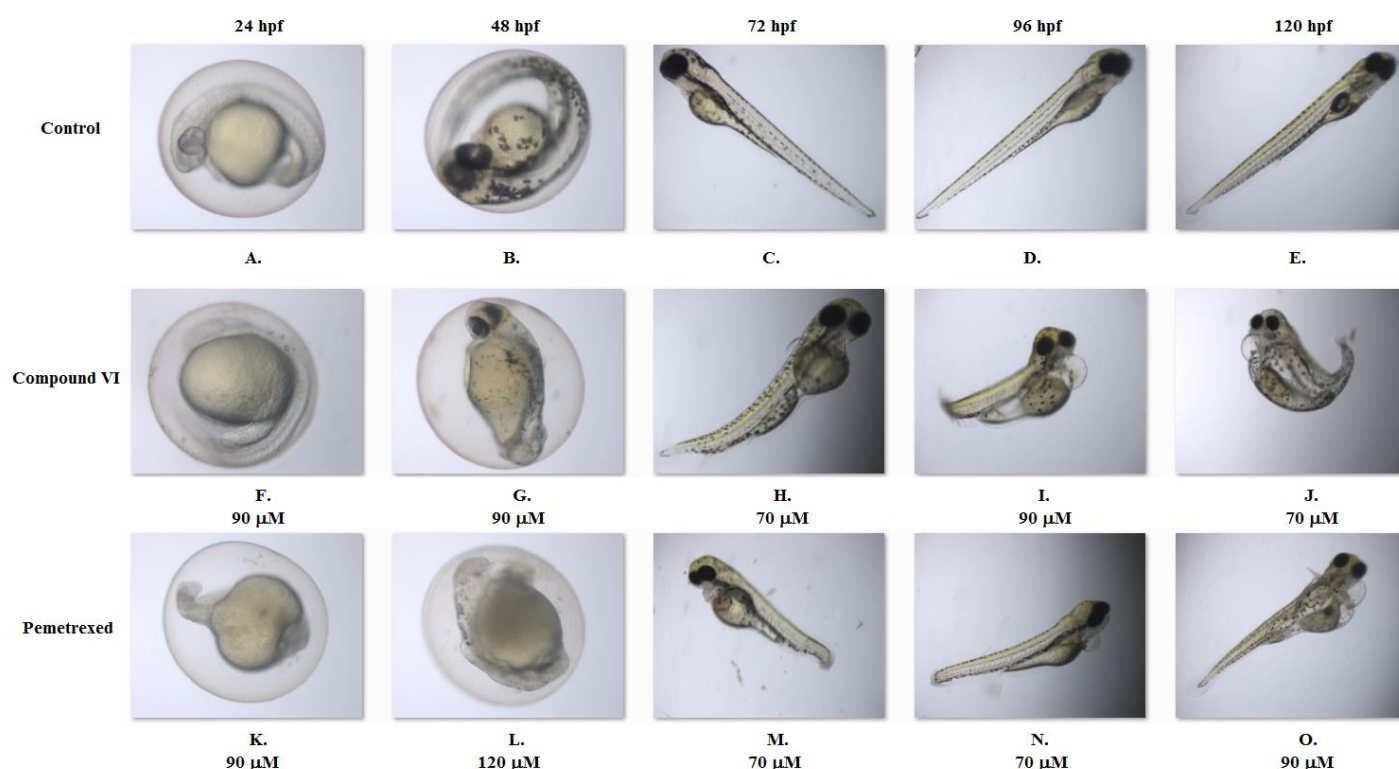


Figure S1. The representative 1-, 2-, 3-, 4- and 5-day-old zebrafish from the control group (A-E) as well as from groups exposed to the highest concentrations of the compound VI (F-J) or pemetrexed (K-O). Embryos in a control group with well-developed head and tail and clearly visible somites (A-B). Larvae in a control group with the normal body structure, well-developed craniofacial and tail regions as well as the normal pericardium, yolk sac and swim bladder (C-E). The most serious phenotypic abnormalities: embryo coagulation (L), undeveloped head and tail (K), lack of somites (F, G), pericardial oedema (H-J, M-O), yolk sac oedema (H-J, M-O), uninflated swim bladder (J, O), spine deformation (H-J), tail defect (G, H, J, M), that were observed in embryos and larvae treated with the compound VI or pemetrexed.