

Colorectal anti-cancer activity of a novel class of triazolic triarylmethanes derivatives

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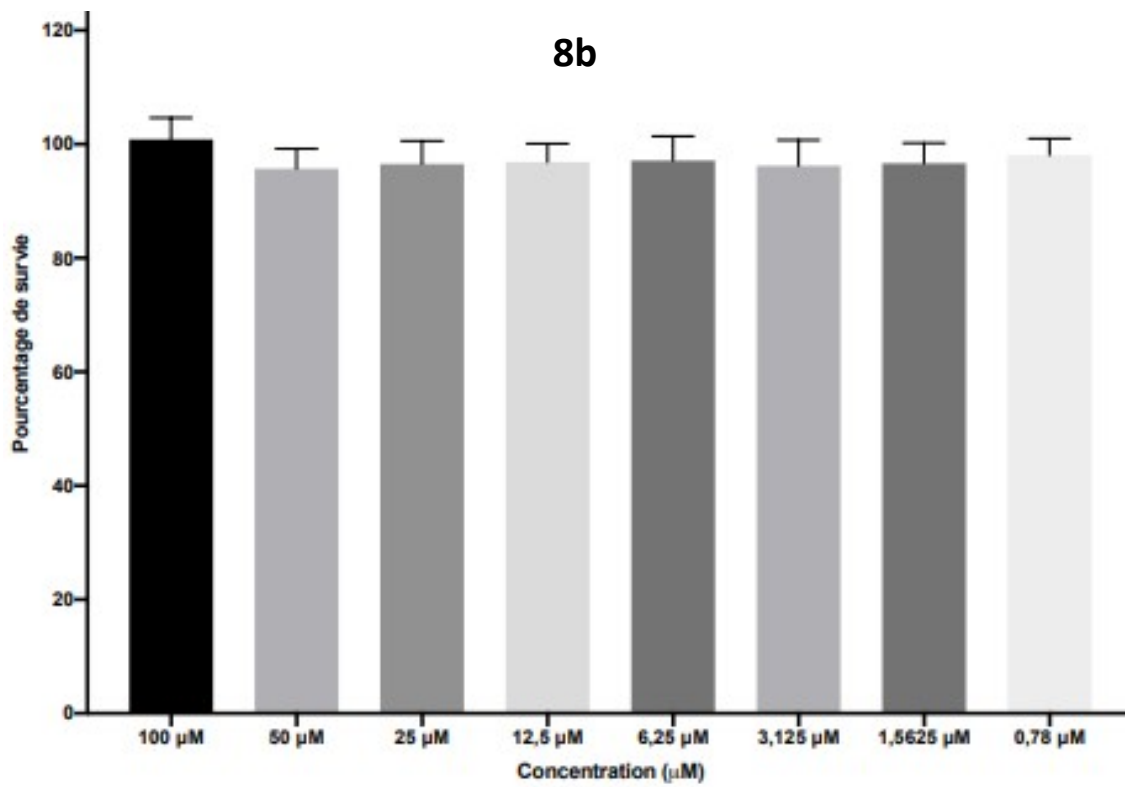
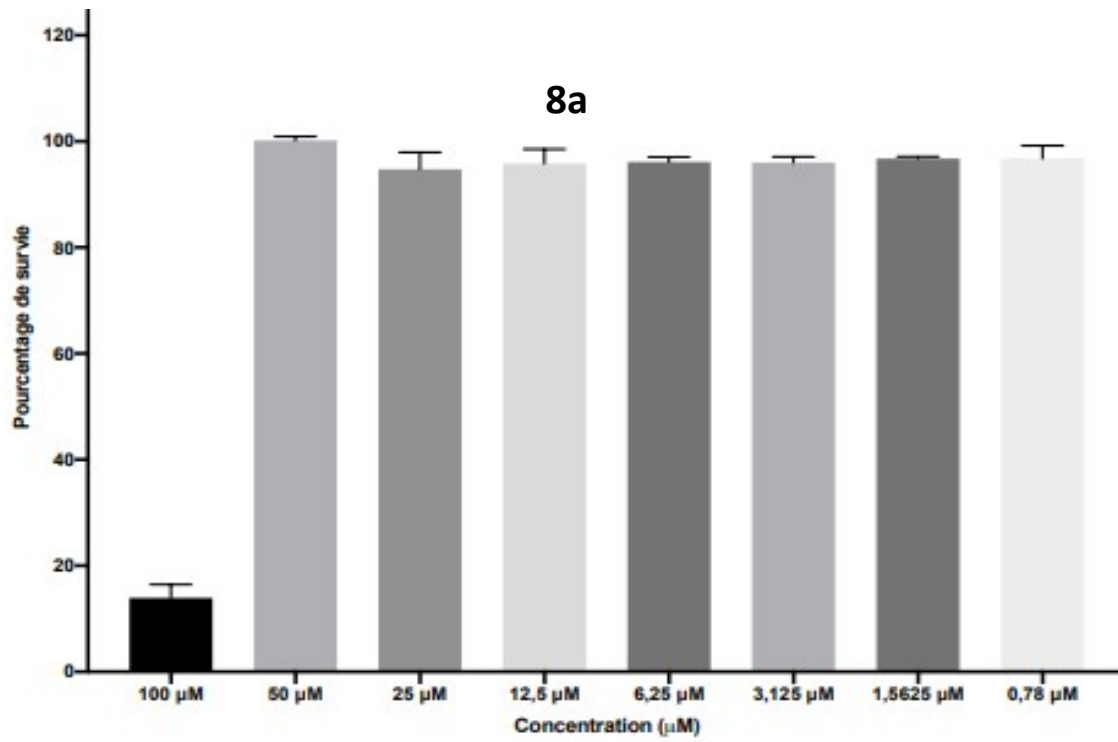
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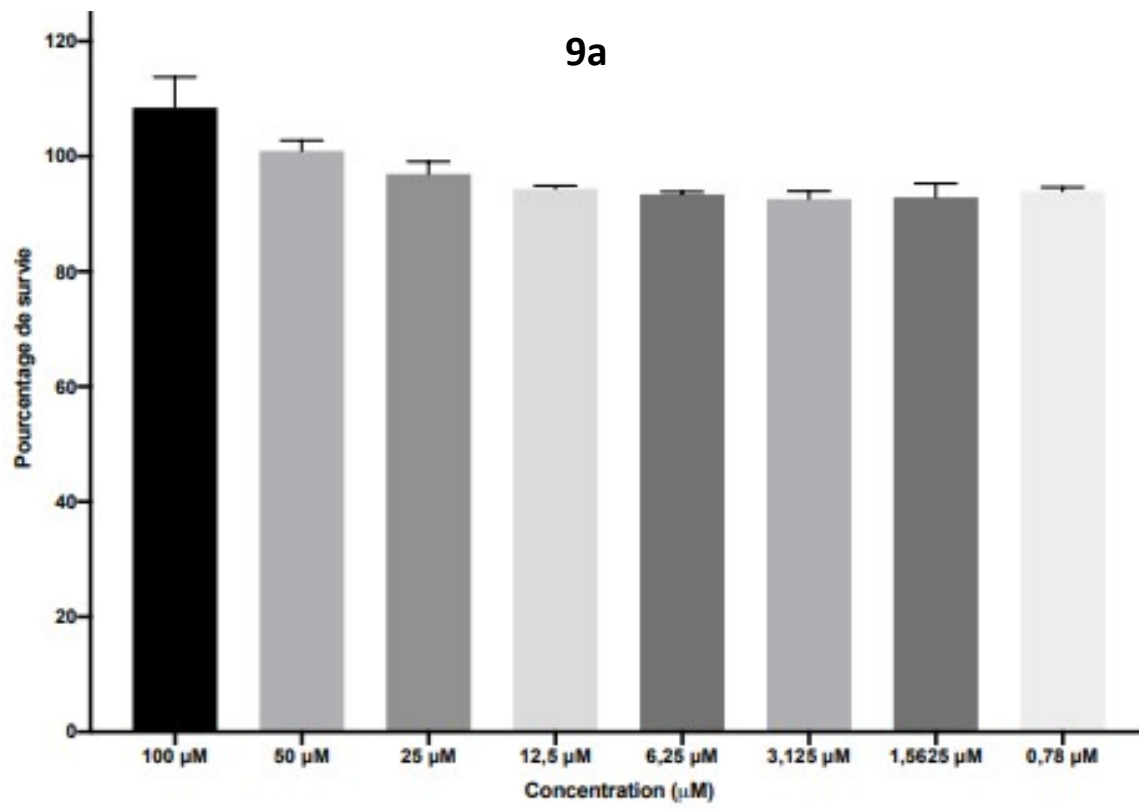
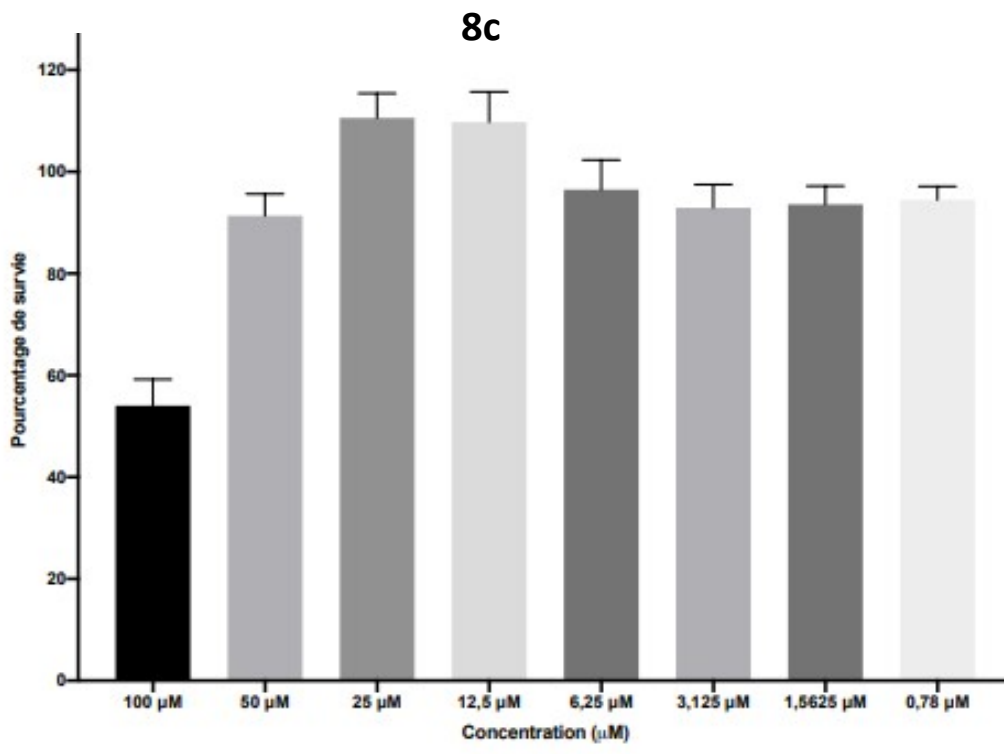
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Cytotoxicity evaluation

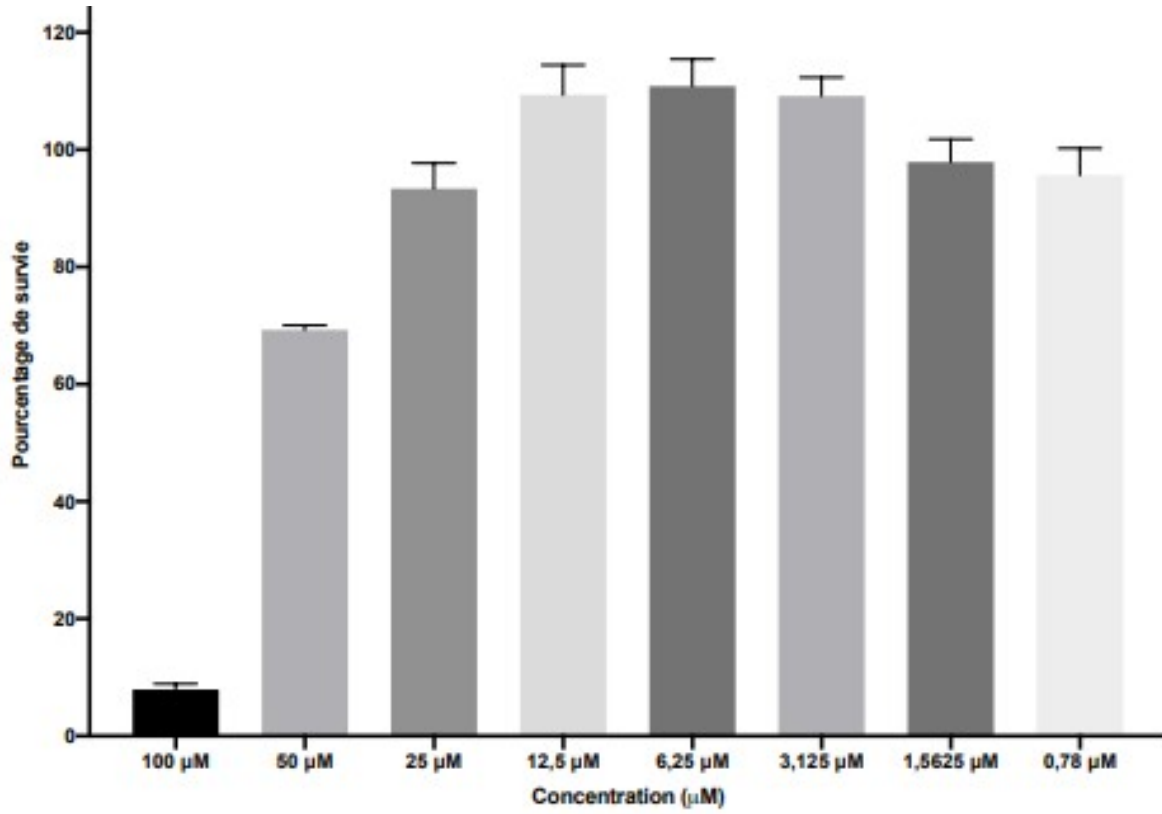
80% confluent L929 cells were plated in flat bottom plates at 4×10^5 cells per well in 100 μL of DMEM medium containing 10% FBS, 2 mM L-Glutamine, 100 U/ml Penicillin - 100 $\mu\text{g}/\text{mL}$ Streptomycin (complete medium) and incubated for one night at 37 °C, 5% CO_2 . Serial dilutions of compounds (from 100 μM to 0.78 μM) diluted in complete medium containing 0.5 % DMSO were added to the wells and incubated for 24 hours. Supernatants were discarded and 100 μL of MTT at 0.5 mg/mL were added to the wells. After 2 hours, supernatants were discarded and 200 μL of DMSO were added. Plates were read at 570 nm with a spectrophotometer providing the optical density (OD) of each well and percentages of survival were calculated for each well using the formula:

$$\text{Percentage of survival} = \frac{OD_{\text{compound}}}{OD_{\text{negative control}}} \times 100$$





9b



9c

