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Synthesis, carbonic anhydrase inhibition and cytotoxic activity of novel chromonebased sulfonamide derivatives

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Graphical abstract:

Compound **4a** (general formula B; R=H) has IC_{50} of 0.72 and 0.50 μ M against MCF-7 and A-549 cells, respectively. It has K_i of 29.75 and 4.54 nM on hCA IX and XII, respectively. It raises the % of early apoptotic cells to 94.12 and 74.77% in breast and lung cells, respectively.

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