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Novel 4/3-((4-oxo-5-(2-oxoindolin-3-ylidene)thiazolidin-2-ylidene)amino) benzenesulfonamides: Synthesis, carbonic anhydrase inhibitory activity, anticancer activity and molecular modelling studies

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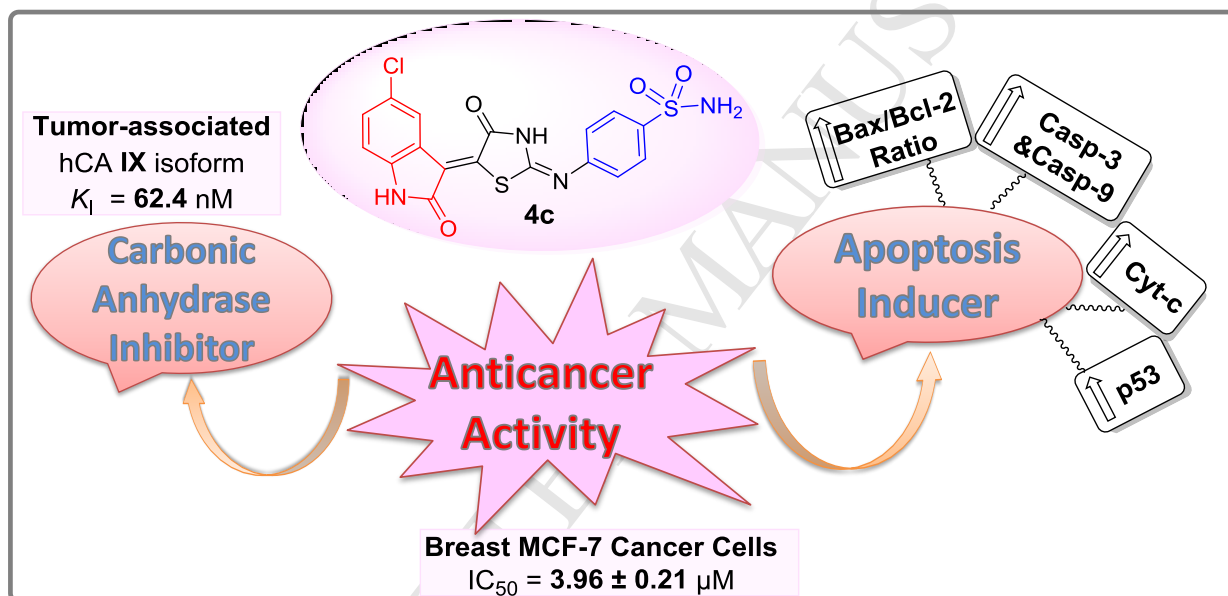
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Graphical abstract

Novel 4/3-((4-oxo-5-(2-oxoindolin-3-ylidene)thiazolidin-2-ylidene)amino) benzenesulfonamides: Synthesis, carbonic anhydrase inhibitory activity, anticancer activity and molecular docking studies

Two different series of novel isatin-based benzenesulfonamide were synthesized and evaluated for their inhibitory activity against a panel of carbonic anhydrase isoforms, hCA I, II, IV and IX. Also, they were evaluated for their anti-proliferative activity against breast cancer MCF-7 and colorectal cancer Caco-2 cell lines.



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