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Synthesis and *in vitro* and *in vivo* antitumour activity study of 11-hydroxyl esterified bergenin/cinnamic acid hybrids

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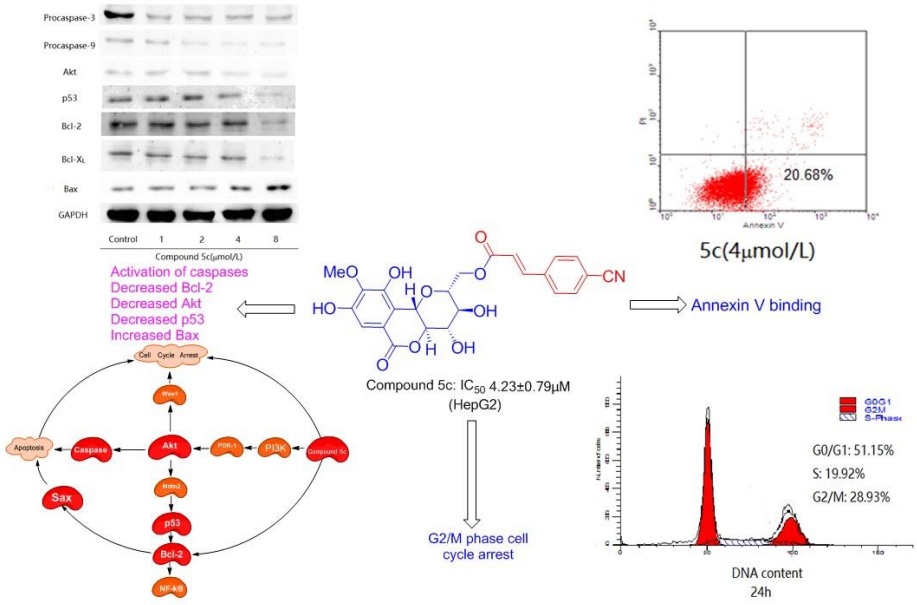
Novel bergenin/cinnamic acid hybrids were synthesized and evaluated for their antitumour activity both *in vitro* and *in vivo*. The most potent compound, **5c**, arrested HepG2 cells (IC_{50}=4.23±0.79μM) in the G2/M phase and induced mitochondria-mediated apoptosis, which could serve as a novel Akt/Bcl-2 inhibitor for further preclinical studies



Abstract