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## One-pot synthesis of modified 4-aryl-4*H*-chromenes and their preliminary anti-cancer studies

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The target substituted chromene molecule **4a-c** were prepared by simple one-pot synthesis using substituted benzaldehyde, malononitrile and 3-(dimethylamino)phenol. Fluoro-substituted (**4a**) possess high anti-oxidant property. The same compound shows good activity towards MCF-7 and BT-549 cell line analyses.

Keywords: 4-Aryl-4*H*-chromenes, one-pot synthesis, heterocyclic molecules, anti-oxidant, anti-cancer.