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In-silico design, synthesis and biological evaluation of 4-aryl-4H-chromene derivatives as CDK-2 inhibitors: A molecular approach to finding a lead for breast cancer

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SUPPLEMENTARY MATERIAL

IN-SILICO DESIGN, SYNTHESIS AND BIOLOGICAL EVALUATION OF 4-ARYL-4H-CHROMENE DERIVATIVES AS CDK-2 INHIBITORS: A MOLECULAR APPROACH TO FINDING A LEAD FOR BREAST CANCER

Below are the spectral data's containing IR, MS and ^{1}HNMR for the six synthesized compounds, including 2C, 2N, 2J, 2P, 2F and 1L.

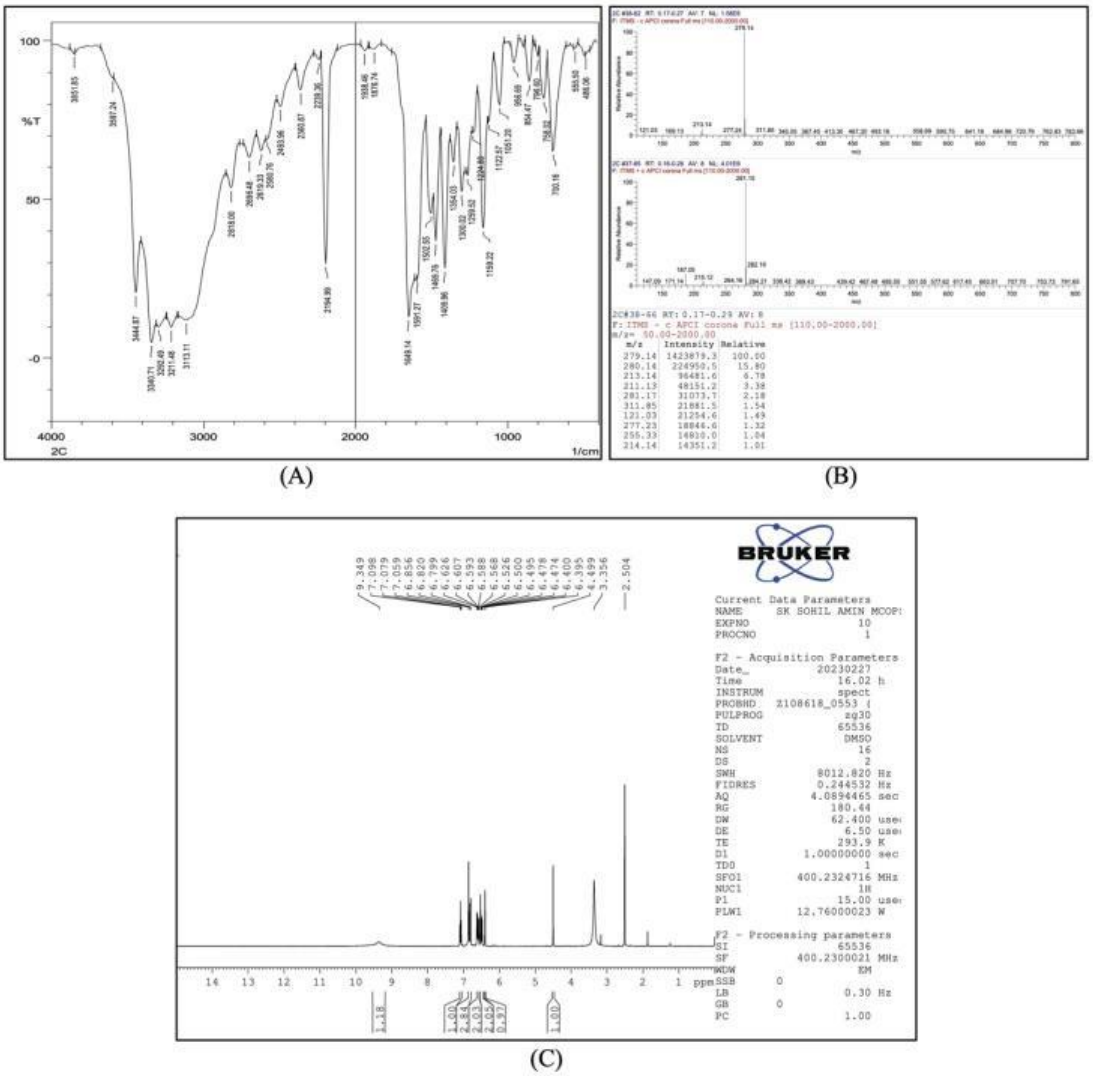


Figure S1. Spectral data of compound 2C: (A) IR, (B) MS, (C) ^{1}HNMR.

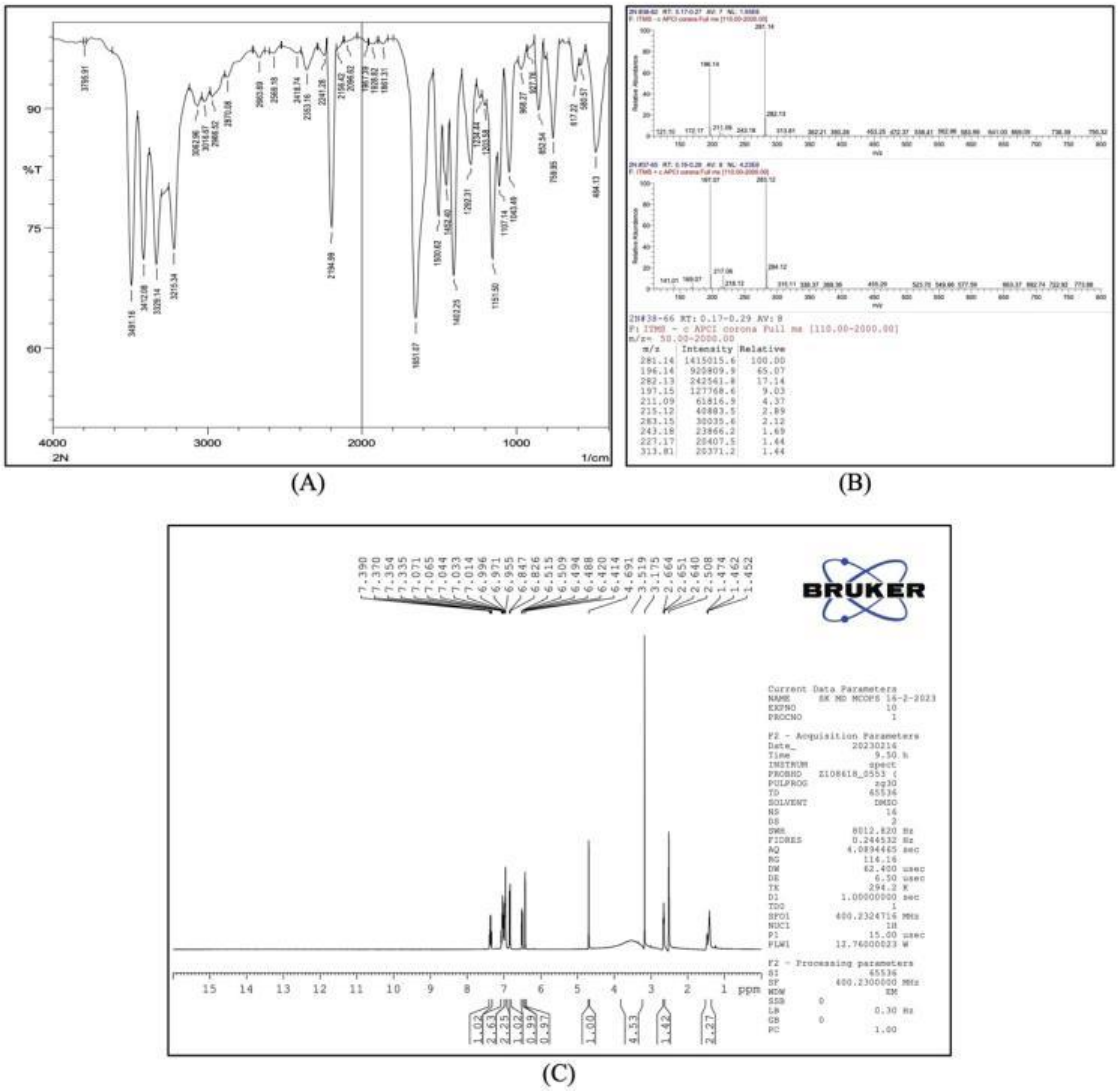
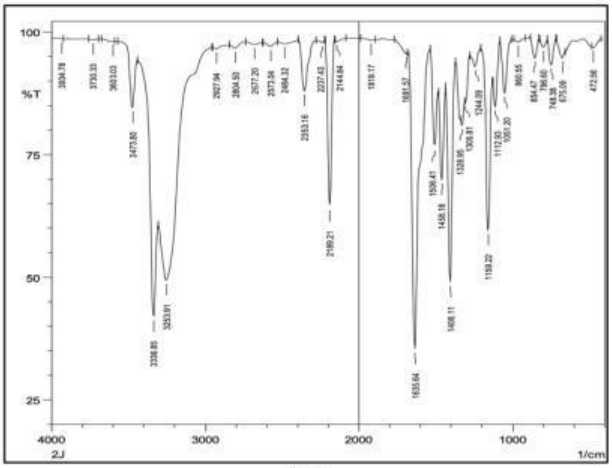
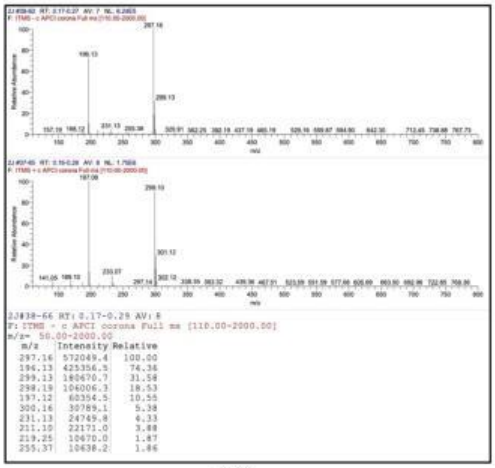


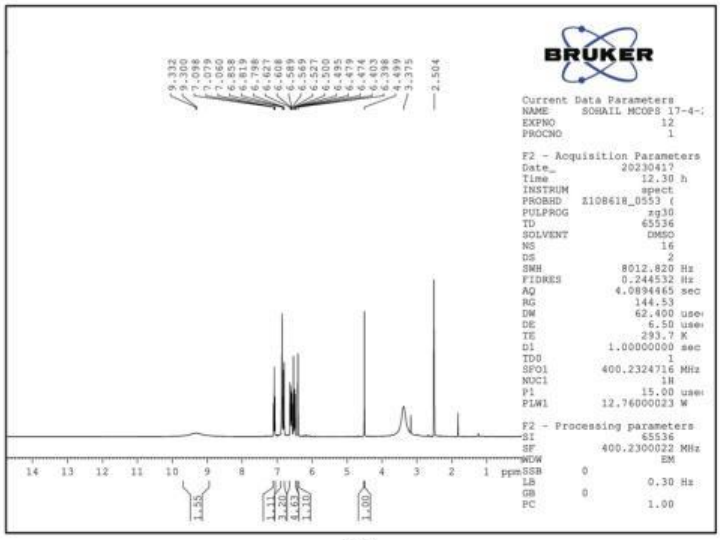
Figure S2. Spectral data of compound 2N: (A) IR, (B) MS, (C) ^{1}HNMR.



(A)

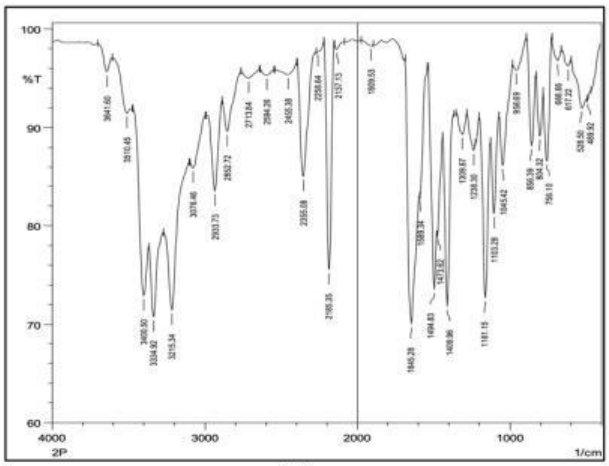


(B)

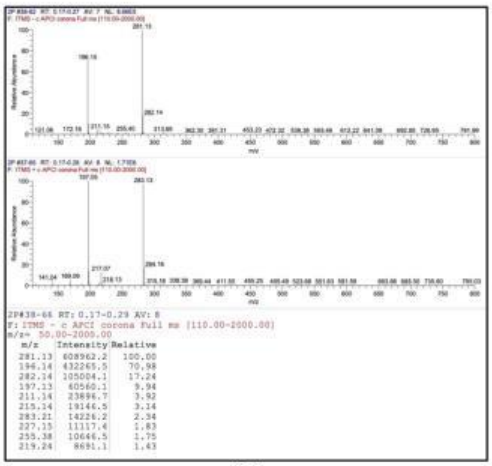


(C)

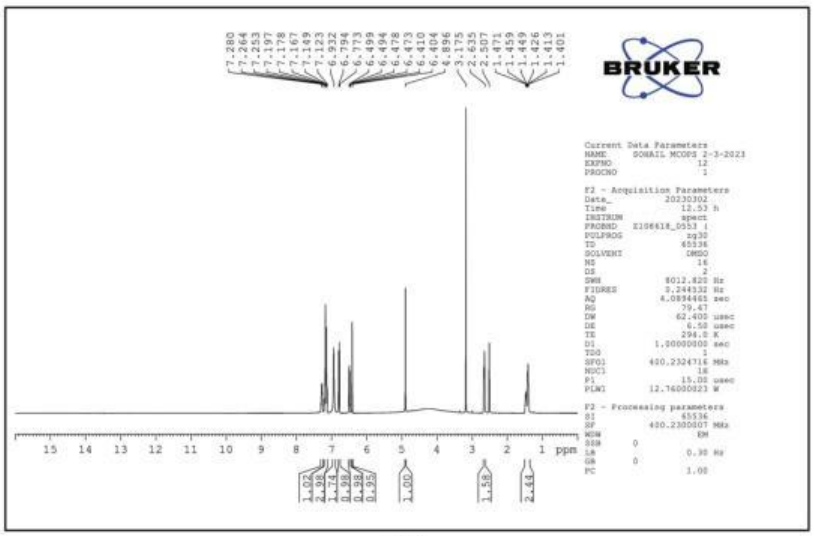
Figure S3. Spectral data of compound 2J: (A) IR, (B) MS, (C) ^{1}HNMR.



(A)

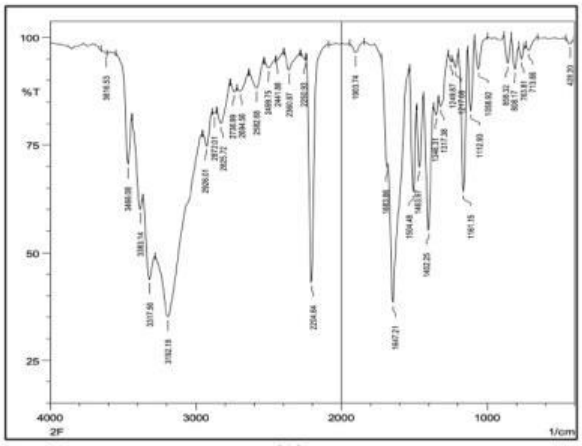


(B)

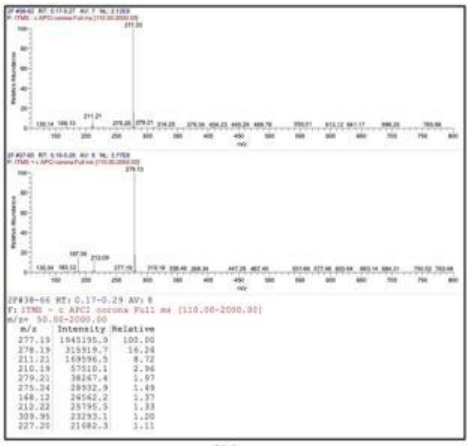


(C)

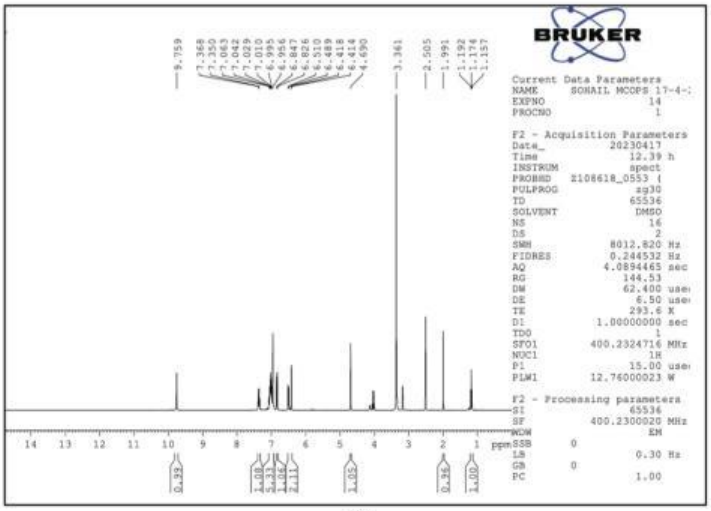
Figure S4. Spectral data of compound 2P: (A) IR, (B) MS, (C) ^{1}HNMR.



(A)

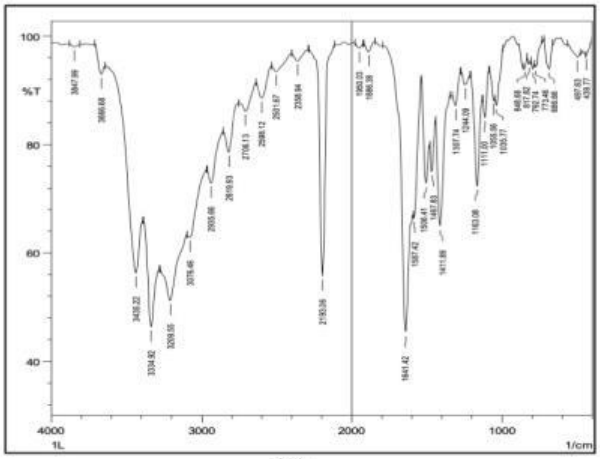


(B)

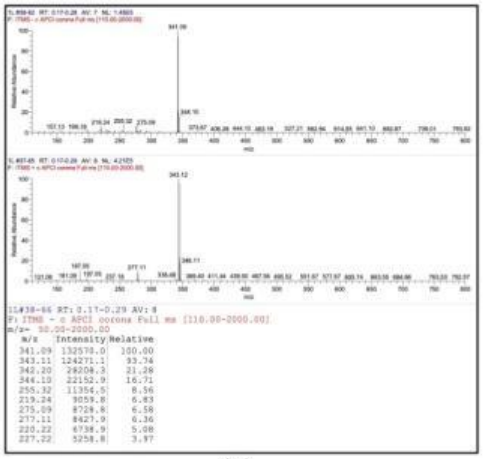


(C)

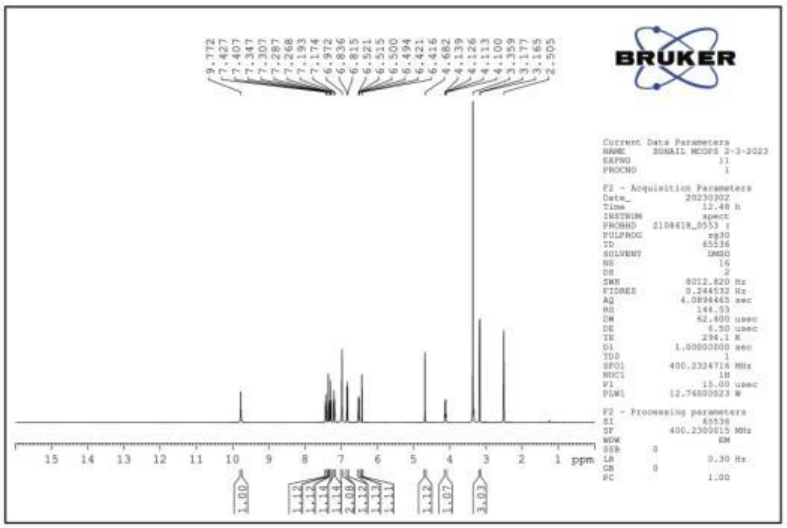
Figure S5. Spectral data of compound 2F: (A) IR, (B) MS, (C) ^{1}HNMR.



(A)



(B)



(C)

Figure S6. Spectral data of compound 1L: (A) IR, (B) MS, (C) ^{1}HNMR.

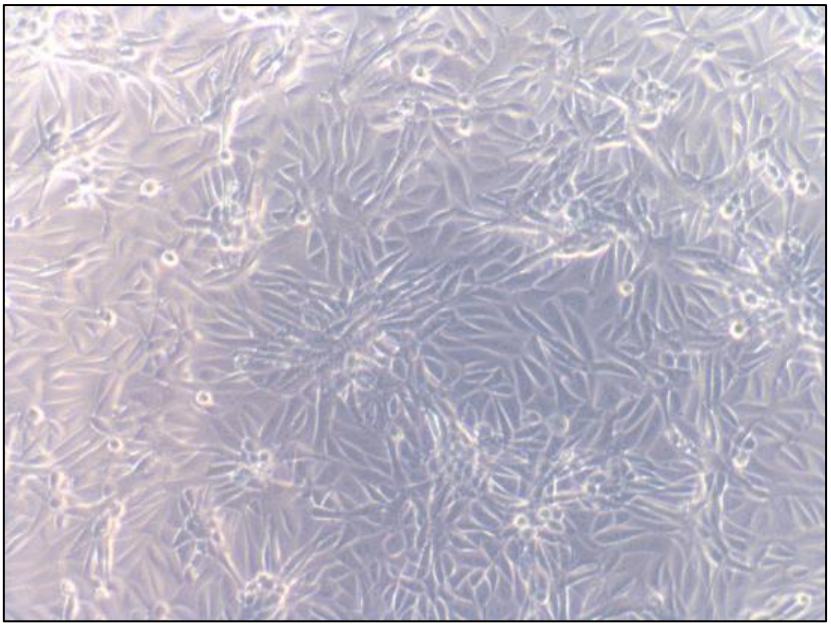


Figure S7. SRB assay in MCF-7 cell lines: Control group

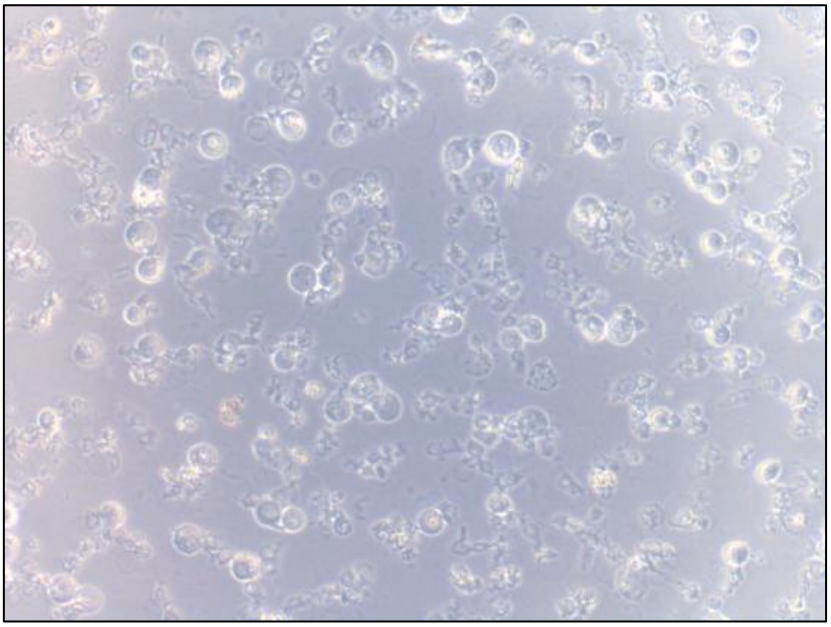


Figure S8. SRB assay in MCF-7 cell lines: Group treated with 1L

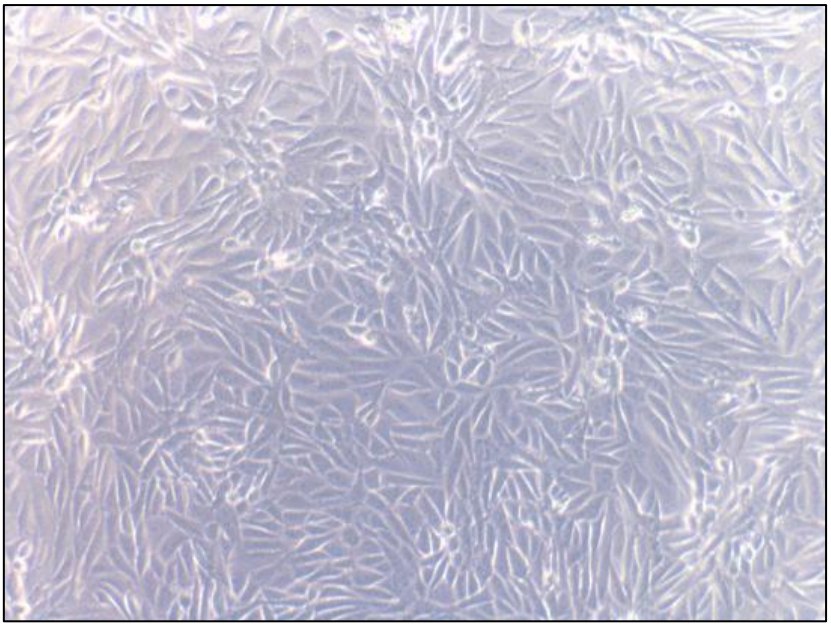


Figure S9. SRB assay in MCF-7 cell lines: Group treated with 2O

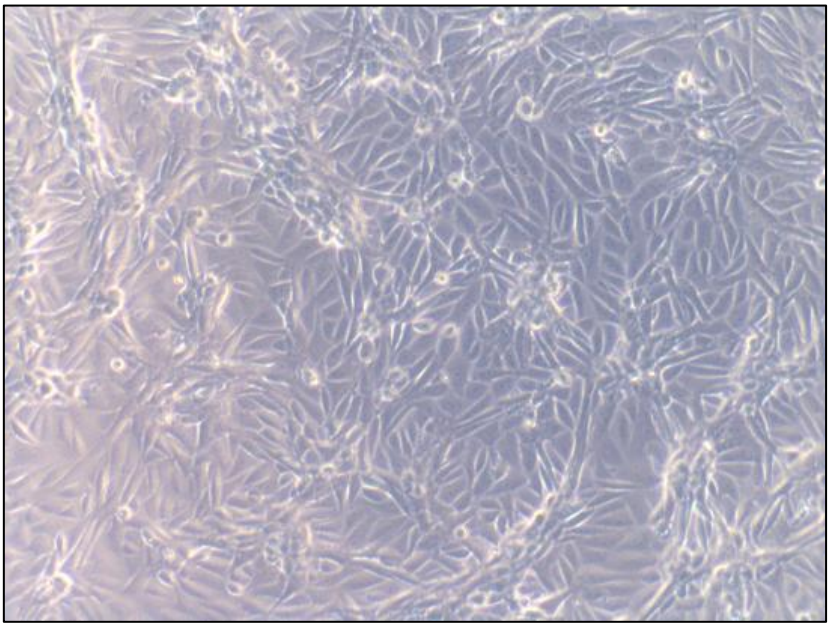


Figure S10. SRB assay in MCF-7 cell lines: Group treated with 2K

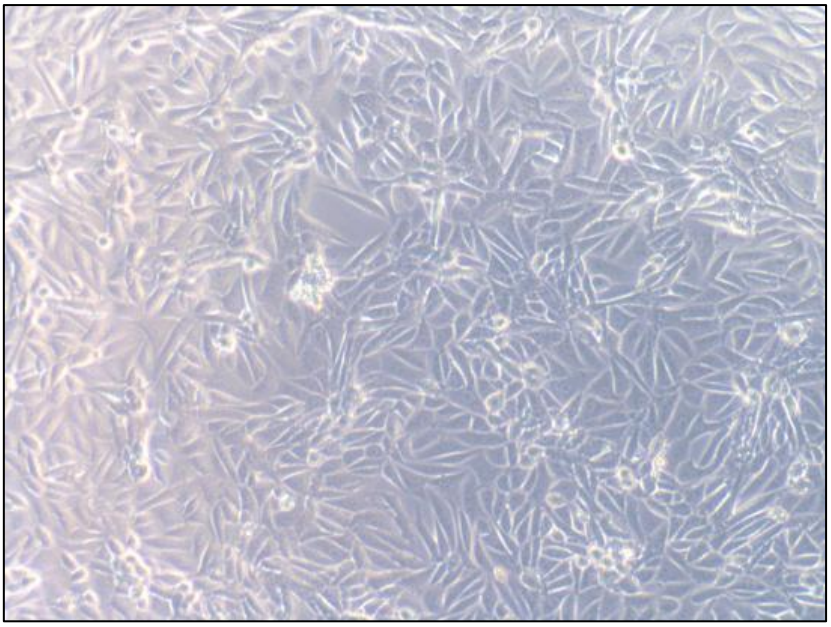


Figure S11. SRB assay in MCF-7 cell lines: Group treated with 1C