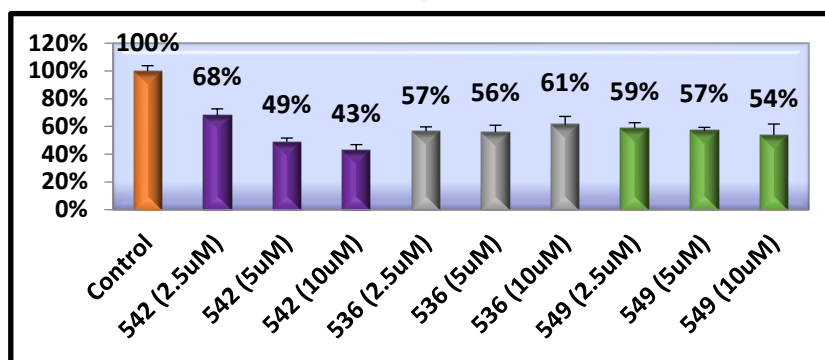
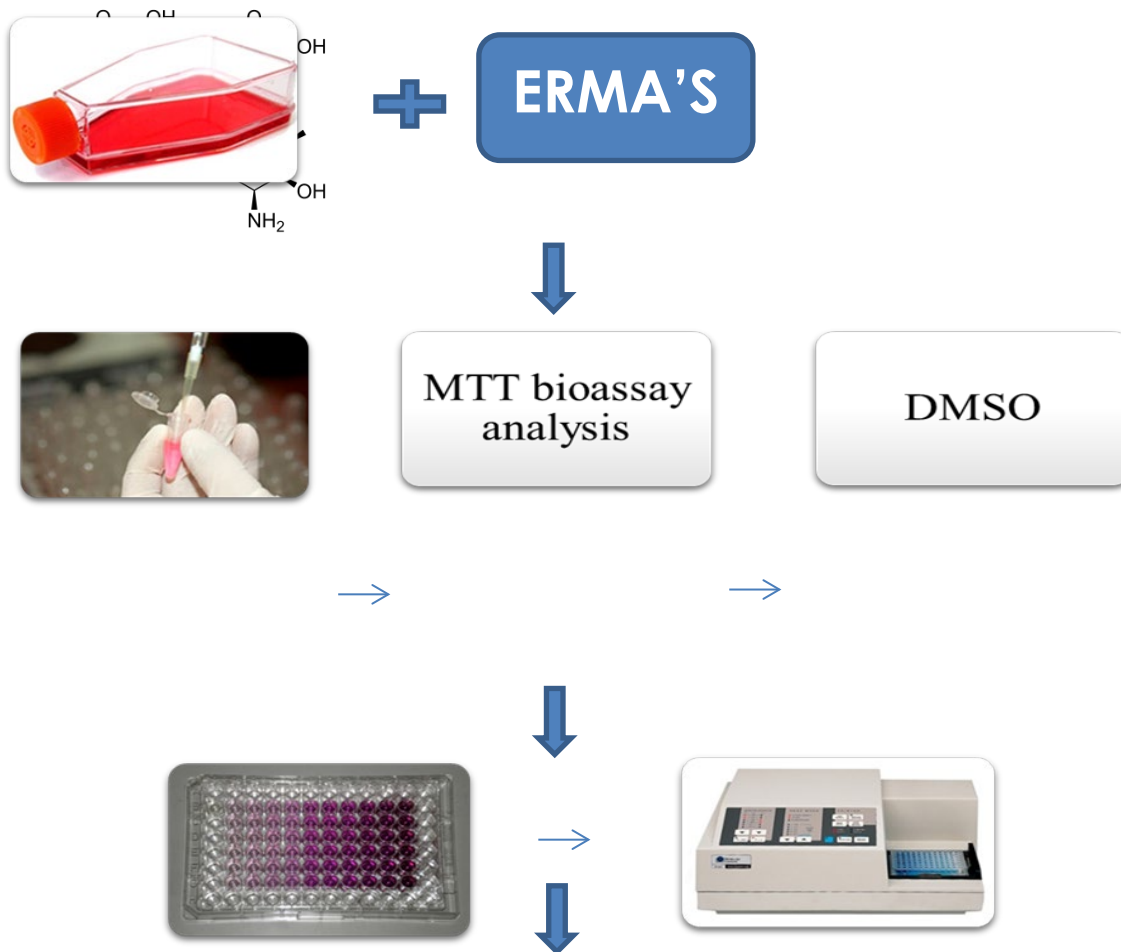


Sensitizing cancer cells using energy restriction mimetic agents

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Under supervision of

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Highlights:

- ✓ Doxorubicin works by intercalation of DNA double helix and through topoisomerase II enzyme inhibition.
- ✓ Three cell lines; U87, A549 & HepG2 are treated with Doxorubicin and energy restriction mimetics.
- ✓ Experimental design includes: seeding, subculture, treatment & cells analysis.
- ✓ Results show three promising agents amongst the twelve candidate compounds: SIMB, 536, SIMB