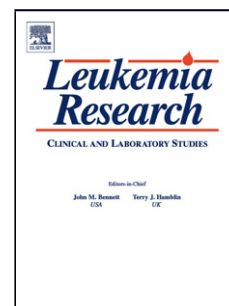


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Title: Novel insights into the antiproliferative effects and synergism of quercetin and menadione in human leukemia Jurkat T cells

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Novel insights into the antiproliferative effects and synergism of quercetin and menadione in human leukemia Jurkat T cells

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Highlights:

- We study the potential relevance of quercetin and menadione for leukemia treatment
- Clinically achievable combinatorial regimens induce high death rates in Jurkat cells
- Quercetin acts as an antioxidant, opens the mPTP and stimulates respiratory Complex I
- Ca^{2+} release is a necessary event in quercetin-induced cell death
- Menadione induces persistent loss of $\Delta\psi_m$ and irreversible mPTP opening

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