

Results

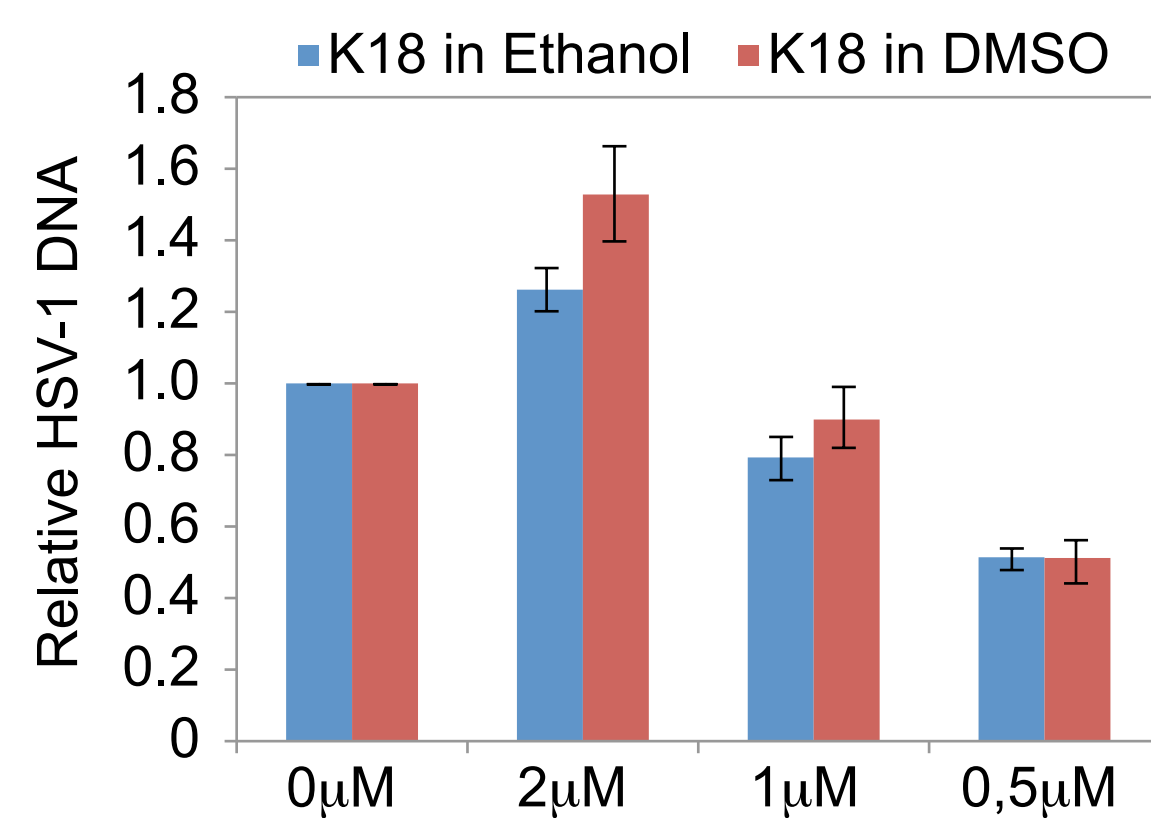


Figure 1: K18 inhibits HSV-1 infection in Vero Cells. Vero cells were infected with HSV-1 (MOI 0.5) in presence of different concentrations of K18 dissolved either in DMSO or Ethanol. Total DNA was extracted after 24hrs of viral infection and was used for qPCR to determine viral DNA amount.

* HSV-1 strain F (ATCC VR-733)

Conclusions

1. K18 downregulates HSV-1 infection at certain concentrations without cell toxicity. However, has no effect at higher concentrations.
2. K18 has similar property of inducing HSV-1 infection-mediated host cell death like K21, possibly by inducing senescence after 48-72 hrs of viral infection.