

IMAGING PLATFORM FOR DERMO-COSMETOLOGY ASSESSMENT

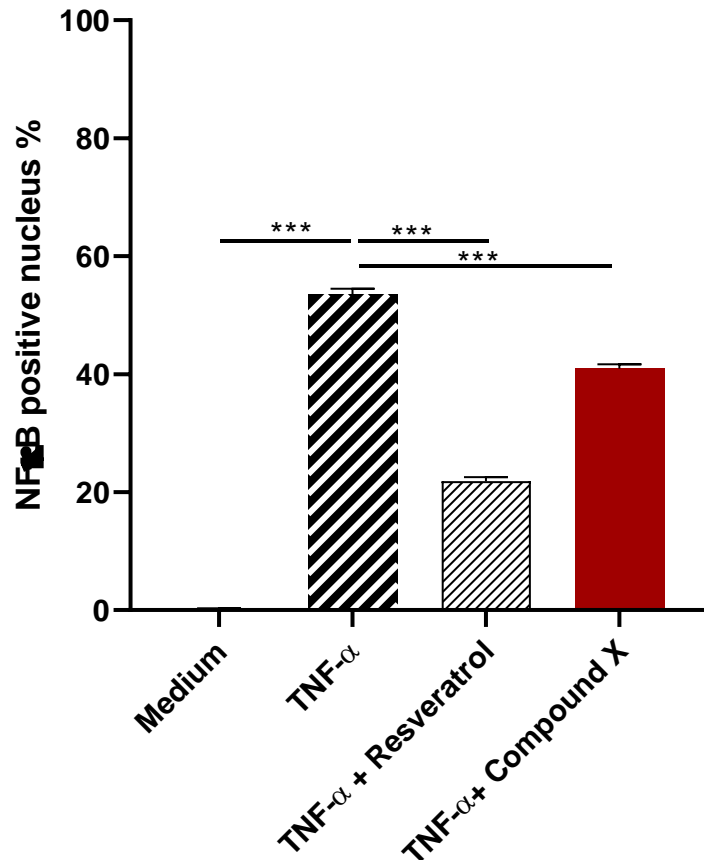
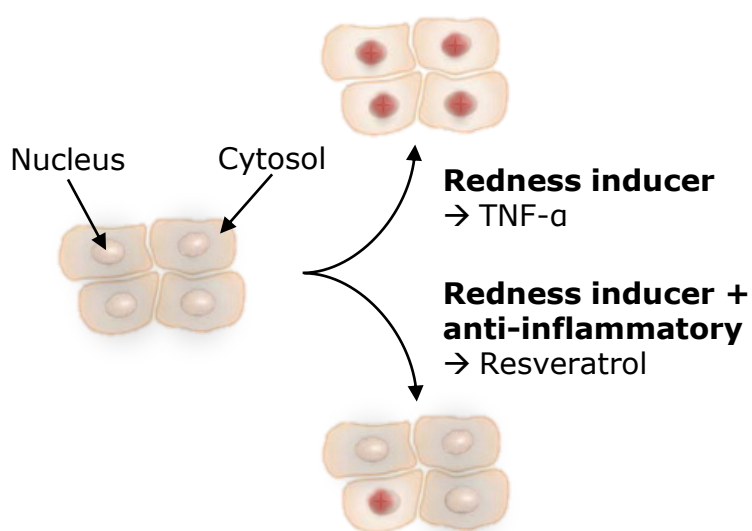
REDNESS ASSESSMENT

Skin redness is a sign of cutaneous inflammation which can lead to major skin disorders. HCS Pharma has developed a test to assess actives efficacy against it.

Nuclear Factor kappa B (NFκB) is a protein transcription factor that orchestrates **inflammation**. Its pathway is activated upon appropriate cellular stimulation by signals related to a stress such as irritants or allergens.

Interleukin 8 (IL-8) is a cytokine produced by epithelial cells following the detection of potentially pathogenic agents (microbiological or chemical). Its main role is to ensure the recruitment of phagocytic cells to the site of infection in order to eliminate them.

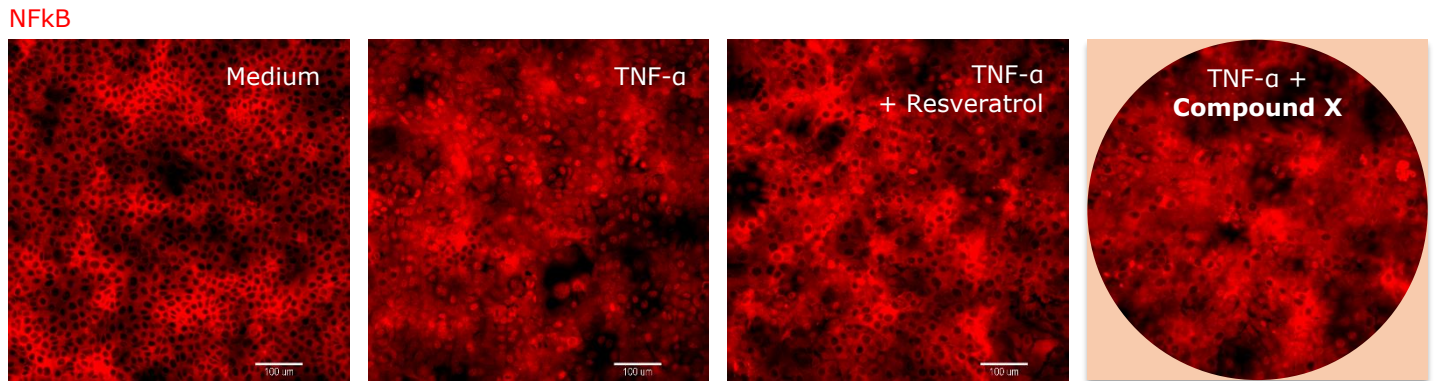
➤ **NFκB : does my active reduce its translocation ?**



t.test (* p-value < 0.05 ; ** p-value < 0.01 ; *** p-value < 0.001)

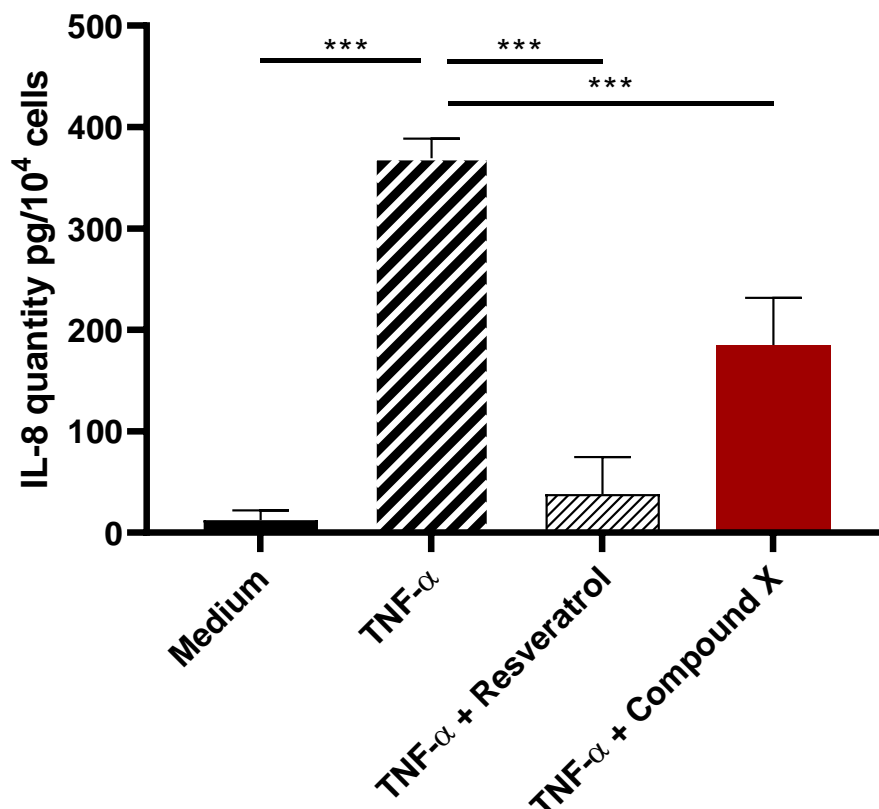


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Endpoint : HaCaT NFκB positive cellular nucleus.

➤ **IL-8** : does my active reduce its production ?



t.test (* p-value < 0.05 ; ** p-value < 0.01 ; *** p-value < 0.001)

Endpoint : HaCaT IL-8 production.