

INFLAMMAgen

Assess how your active ingredient will regulate the inflammation and the stress response.



Oxidative stress is an imbalance between the production of reactive oxygen species (ROS) and their elimination by protective mechanisms. It can provoke chronic inflammation.

The epidermis represents the first line of defense against external aggression. Hence, keratinocytes can function as innate immune cells when they are under oxidative stress. At the same time, they are aggravating the cutaneous T-cell response that undermines melanocytes in the setting of vitiligo.

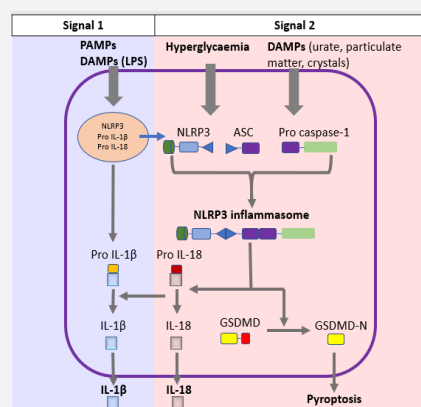


The development of active ingredients that can regulate ROS and the inflammasome is crucial to understand how skin response to damaging threats. Unfortunately, oxidative stress and the inflammasome pathways are extremely complex to understand.

INFLAMMEgen is a collection of precise and innovative tools to deeply understand how your active ingredient will act on oxidative stress and on the activation of the inflammasome pathways.

INFLAMMAgen Method

- Investigate the activation of the inflammasome after UV-stress.
- Understand how cytokines are regulated by your active ingredient.
- Assess how the caspase activity is modulated after treatment.
- Check if your active ingredient can modify the protective mechanisms against ROS.



Your Benefits

Reliable: optimized process that guarantees fast and accurate results.

Relevant: From a wide range of techniques, we will precisely assess the effect of your active ingredient.

Affordable: Cost effective adapted only to the techniques you'll need.