



SensAmone P5  
Immediate comfort  
for sensitive skin



# SensAmone P5

## Immediate comfort for sensitive skin

### **A Sea Anemone Peptide That is Able to Calm Sensitive Skin**

SensAmone P5 is a biomimetic peptide that is based on a sea anemone protein which calms sensitive skin and reduces skin irritation.

Sensitive skin is often characterized by an overactivity of the TRPV1 pain receptor. The result is skin that can react strongly to harmless environmental stimuli with itching or even burning and redness. Therefore, an inhibitor of the TRPV1 receptor could help to calm overreactive skin.

Scientists have recently discovered a unique protein in the venom of the leathery sea anemone that acts as an inhibitor of the TRPV1 receptor.

As the protein is unstable and too large to penetrate the skin, Mibelle Biochemistry has developed a pentapeptide that contains the TRPV1 inhibitor sequence of the sea anemone protein. To ensure improved skin uptake, the peptide was incorporated into a soft sphere carrier system based on shea butter.

An in vitro assay showed that SensAmone P5:

- reduced the activation of the TRPV1 pain receptor
- inhibited TRPV1 in a better manner than the full-length sea anemone protein.

Meanwhile, in clinical studies, SensAmone P5:

- reduced the electrical current perception threshold of the skin, which is an indicator for skin reactivity
- decreased skin sensitivity by reducing the response to skin irritation.

### **Claim Ideas for SensAmone P5**

- Calms overreactive skin
- Minimizes skin's response to stress
- Reduces the itching sensation of sensitive skin

### **Applications**

- Sensitive skin care
- Neurocosmetics
- Comforting formulations

### **Formulating with SensAmone P5**

- Recommended use level: 1–2%.
- Incorporation: For cold processes, dissolve SensAmone P5 into the aqueous phase. In hot/cold processes, add during the cooling phase below 40°C.
- Thermostability: Temperatures of up to 40°C for a short time will not affect the stability of SensAmone P5.

### **INCI (EU/PCPC) Declaration**

Pentapeptide-59 (and) Hydrogenated Lecithin (and) Butyrospermum Parkii (Shea) Butter (and) Phenethyl Alcohol (and) Ethylhexylglycerin (and) Maltodextrin (and) Aqua/Water