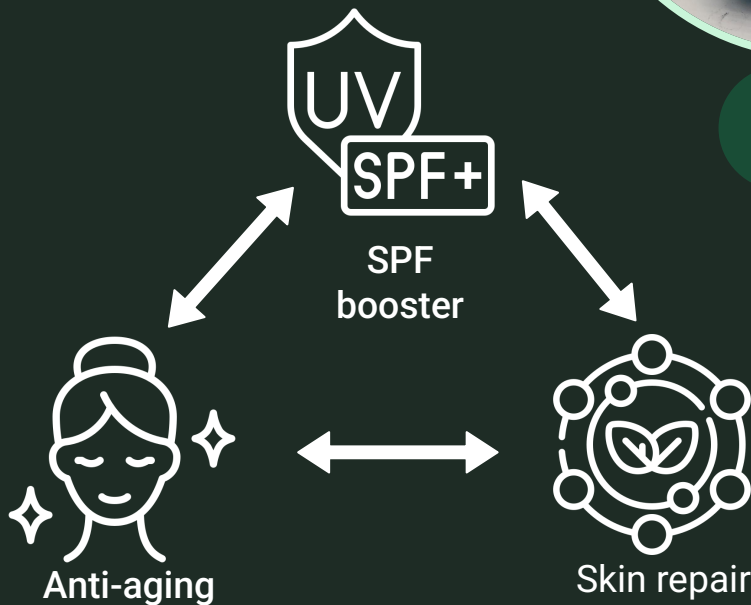
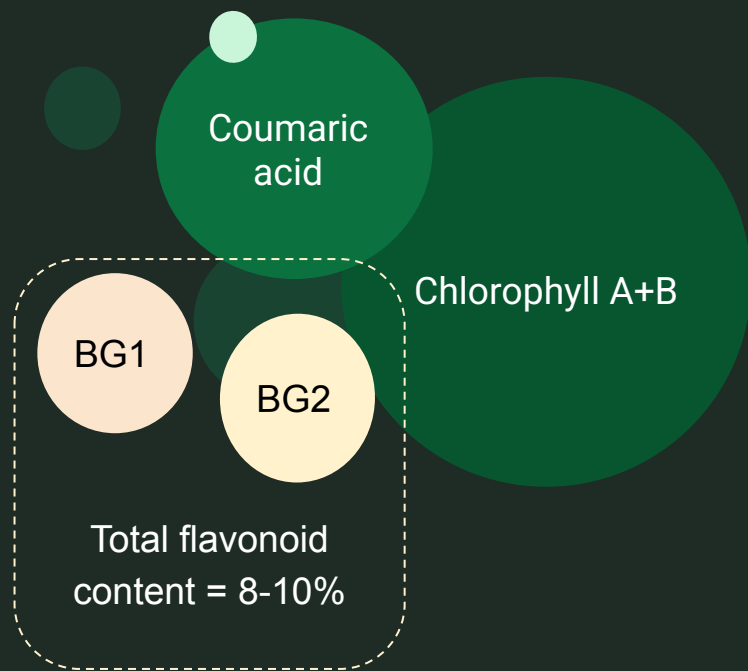


# BryoBoost

An innovative skincare ingredient designed to boost the SPF of traditional sunscreens while repairing skin and preventing signs of aging.



## An innovative blend of proprietary bioactives

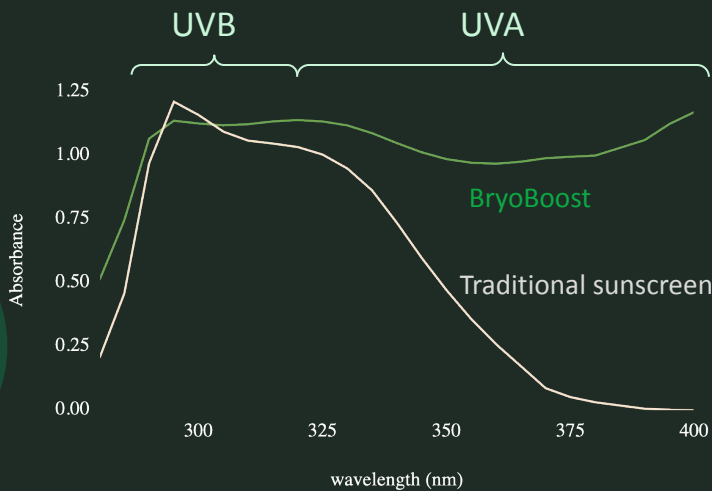
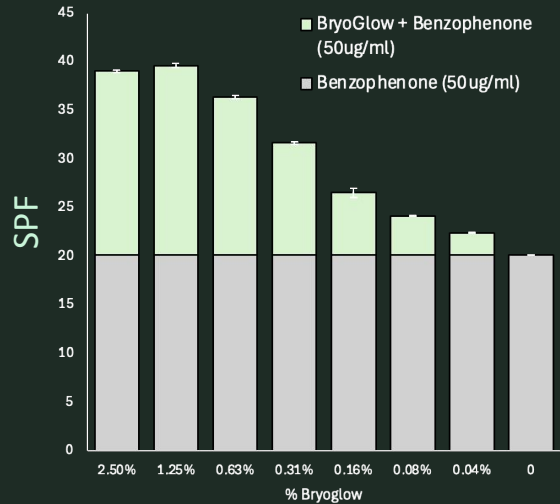


BryoBoost is extracted from a proprietary line of moss that has been genetically engineered produce a combination of rare bioactive flavonoids (BG1 and BG2). These flavonoids work in combination with moss' natural chlorophylls and coumaric acid to promote healthy regeneration of the skin barrier, reduce inflammation and protect against UVA and UVB radiation.

# BryoBoost is a SPF booster

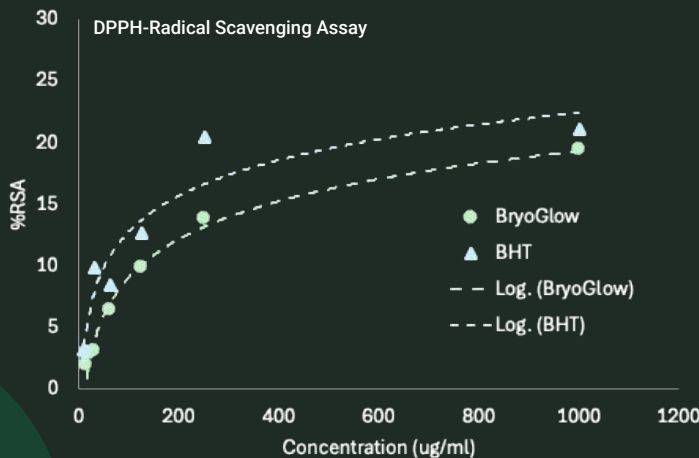
BryoBoost improves SPF protection of traditional UV sunscreens by up to 50% at concentrations as low as 1%.

\*SPF determine use the *in vitro* Mansur method.



BryoBoost unique combination bioactive compounds compliments traditional sunscreens. Providing additional protection to skin from the aging effects of UVB and UVA radiation.

# BryoBoost is a potent antioxidant



BryoBoost exhibits 50% of the antioxidant potency of BHT (butylated hydroxytoluene) in standard assays

IC<sub>50</sub> BHT= 50 µm/ml  
 IC<sub>50</sub> BryoBoost= 100 µm/ml

## Technical Data:

- **Appearance:** Dark green powder
- **Odor:** Mild mossy fragrance
- **Solubility:** 100mg/ml in 80% ethanol:water
- **Melting temperature:** 225 °C - 230 °C
- **pH Range:** 4.5 - 7.0
- **Storage Conditions:** Store in a cool, dry place away from direct sunlight. Recommended storage temperature: 4°C

## Formulation recommendations:

- Dissolve 25-100 mg BryoBoost per 1 ml of 80% ethanol
- Add BryoBoost ethanol solution to emulsion based or aqueous serum bases at concentrations up to 10% (v/v)
- Recommended usage level 1- 4% (w/v)

## Recommended Applications:

- Hybrid sunscreens used in combination with mineral sunscreens
- Anti-aging creams and serums
- Moisturizers
- Protective skincare products
- Anti-pollution skincare formulations
- Products aimed at improving skin resilience