

# SCH FERULIC-C GOLD

FULL ANTIAGING AND LIGHTENING AGENT



Developments of new cutting-edge peptide-based drugs and molecules with pharmacological, diagnostic and cosmetic interest.



# SCH FERULIC-C GOLD

**G**  
**Gold**  
>100 nm particle size

- Increases bioavailability of actives
- Fast and deep skin penetration

**F**  
**Ferulic acid**

- Powerful antioxidant
- Protects against UVA and UVB rays
- Stabilizes endogenous vitamin C
- Inhibits tyrosinase activity and lightens skin

**C**  
**L-Ascorbic acid**

- Release of pure vitamin C
- Powerful antioxidant
- Supports fibroblast and collagen synthesis
- Stimulates intracellular ATP synthesis

**ANTIOXIDANT  
ANTIAGING  
ANTIPOLLUTION  
SKING BRIGHTENING**

SCH FERULIC-C GOLD is a unique multi-oxidant that conjugates gold with:

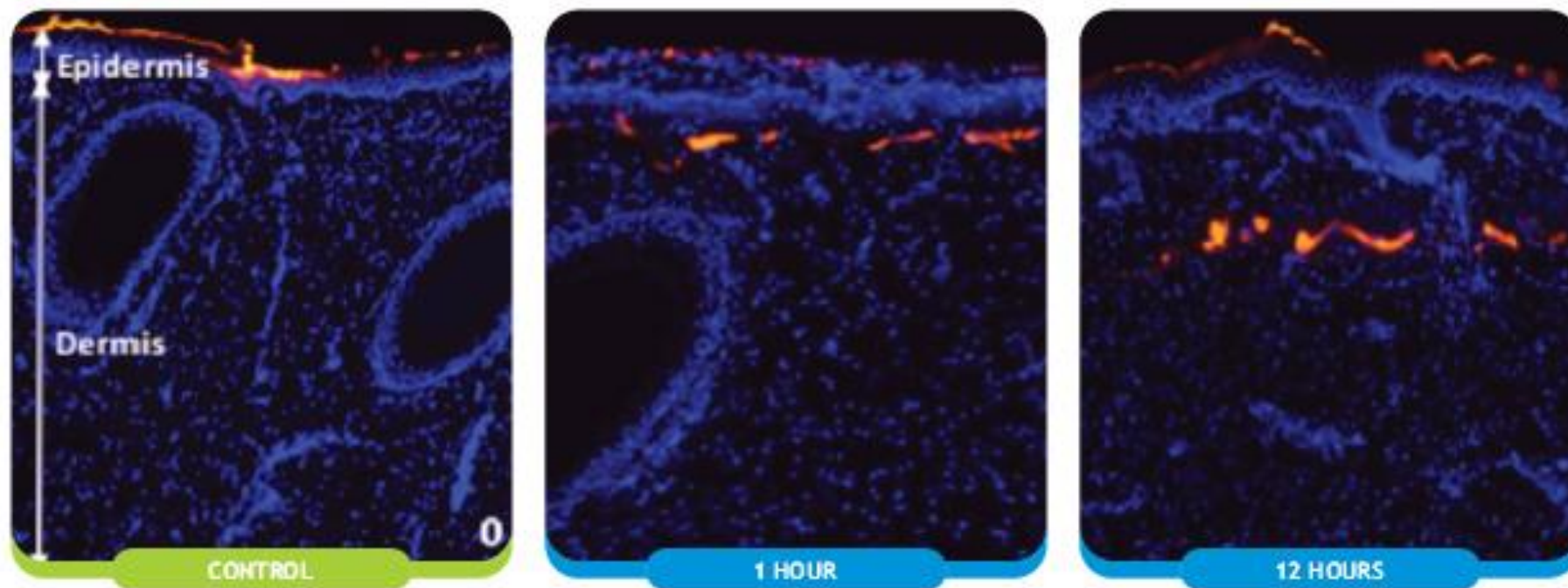
- FERULIC ACID
- PURE VITAMIN C

Gold particles speed up internalization of intact actives into skin

SCH FERULIC-C GOLD: a master antioxidant ingredient

# SCH FERULIC-C GOLD

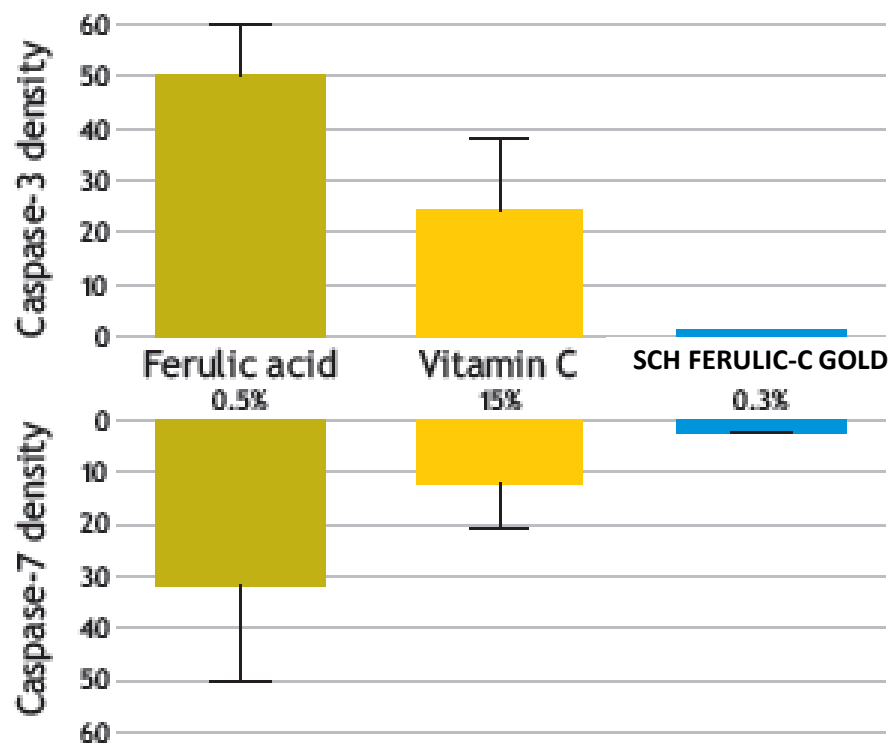
Fast and deep penetration of SCH FERULIC-C GOLD in skin



Confocal microscopy images of skin slices  
SCH FERULIC-C GOLD applied topically onto pig skin Product followed by a fluorescent  
marker along time

# SCH FERULIC-C GOLD

## Reduction of caspase-3 and 7 by SCH FERULIC-C GOLD in skin after UV-damage

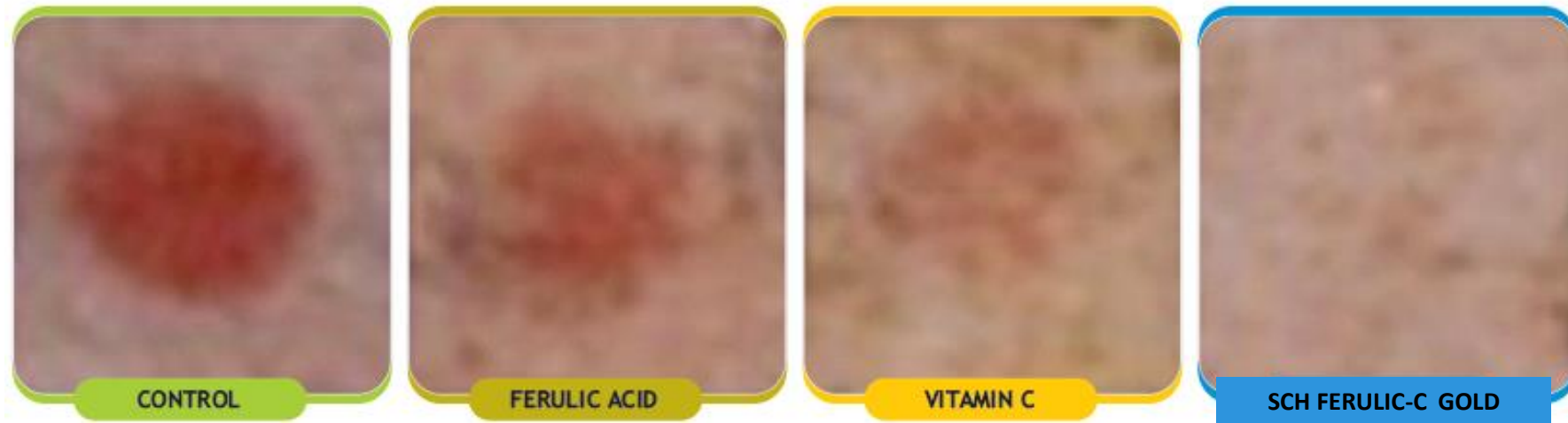


Caspases are proteins that play a key role in the apoptosis process induced by stimulus such as UV in skin cells and occurs in both epidermis and dermis.

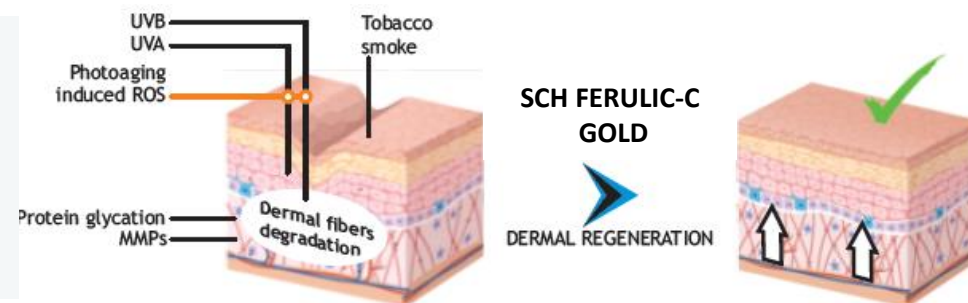
- 🌱 Caspase-3 is known as an executioner caspase in apoptosis because of its role in coordinating the destruction of cellular structures such as DNA fragmentation or degradation of cytoskeletal protein.
- 🌱 Caspase-7 is an effector caspase with important roles in mediating cell death signaling

# SCH FERULIC-C GOLD

Potent effect of SCH FERULIC-C GOLD  
against UV induced damage in human skin



Skin was pretreated with vehicle, ferulic acid (0.5%), vitamin C (15%) or SCH FERULIC-C GOLD before exposure to solar simulated radiation. The potent effect of SCH FERULIC-C GOLD is clearly seen.



# SCH FERULIC-C GOLD



## SCH FERULIC-C GOLD; in vivo study

20 panelists 35-60 years old

SCH FERULIC-C GOLD 0.30% applied twice daily for 4 weeks



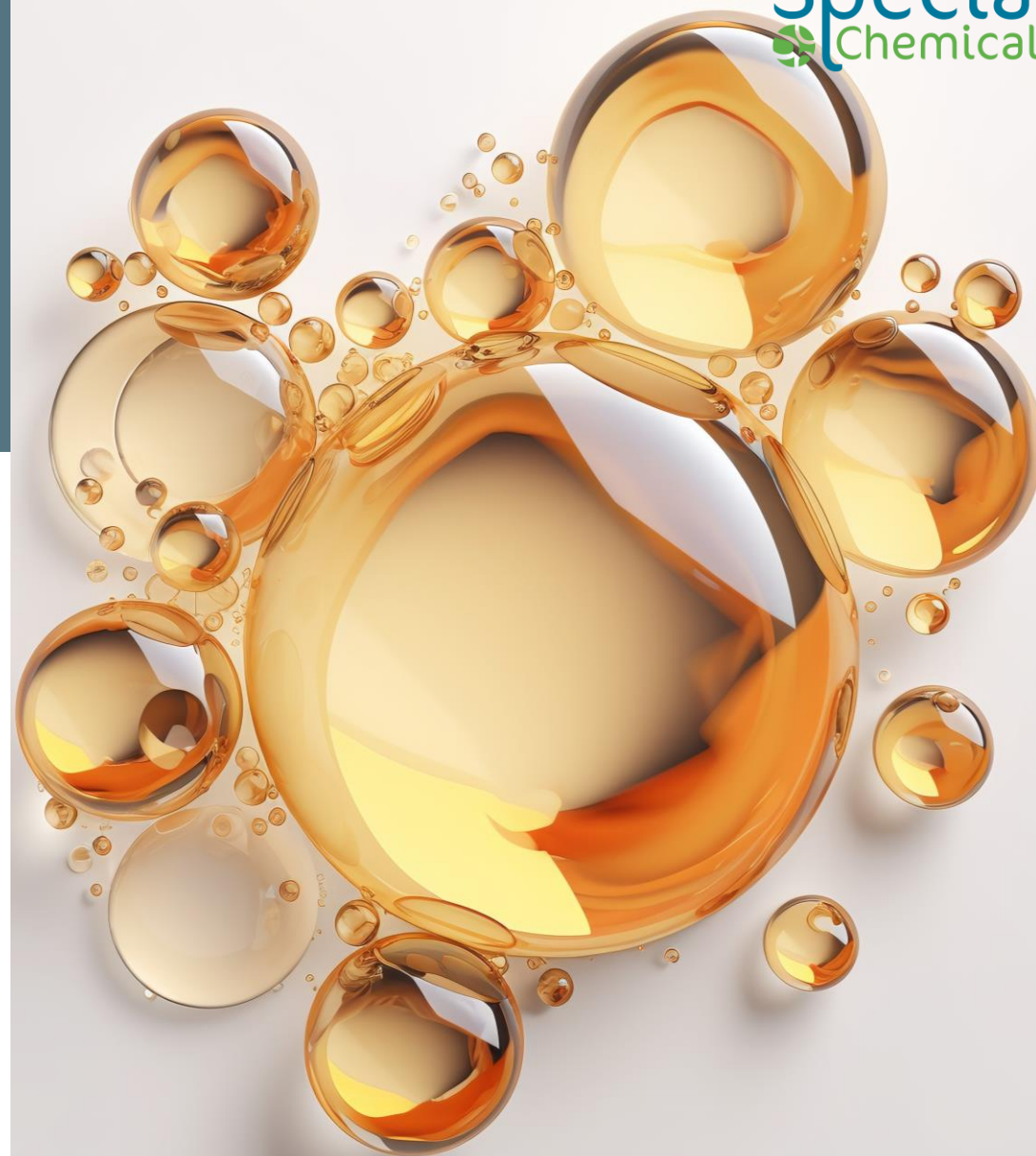
# SCH FERULIC-C GOLD

INCI: water, xanthan gum, gold, ascorbic acid,  
ferulic acid

Additives: phenoxyethanol

Recommended dose: 0.3%

LEGAL STATUS: EU|US|CN|JP|AUS.



# THANK YOU!

*Thank you for your interesting and attention!  
If you need sample and technical data, please  
contact us without hesitation*

