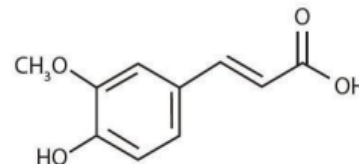


IWHITE FA

Ferulic Acid



Product Description

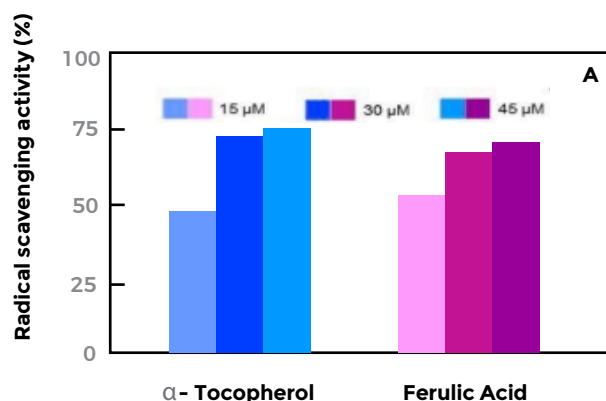
Ferulic acid is a new multifunctional cosmeceutical ingredient with antioxidant and UV radiation (UVR)- protective qualities that was originally isolated in 1866 from the *Ferula foetida* plant.

Ferulic acid is a phenolic derivative of plant cell wall and is found in lignocellulose, a substance that crosslinks lignin and polysaccharides, conferring rigidity to plant cell walls.



Antioxidant Effect

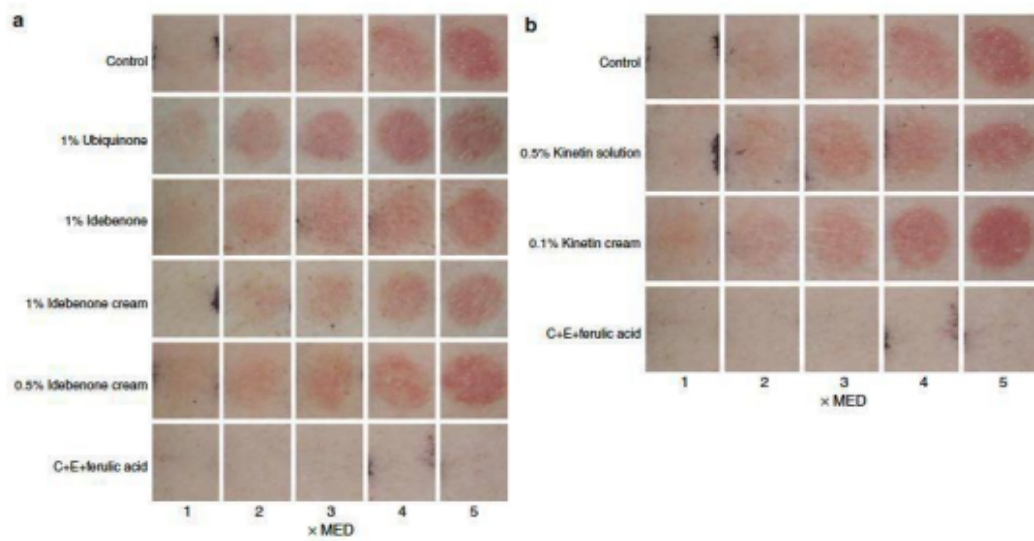
Ferulic acid contains a phenolic oxygen-hydrogen group capable of acting as a hydrogen donor to free radicals.



Ferulic acid exhibits radical capture and active oxygen elimination activity as shown in Figure A. Radical capture was measured in the DPPH (2, 2-diphenyl-1-picrylhydrazyl) method. Result shows the radical scavenging activities of 15, 30, 45 μM of Ferulic Acid and α -Tocopherol.



Photoprotective Effect



The photoprotective effect of ferulic acid in pig skin. (C+E+ferulic acid is a solution containing 15% L-ascorbic acid, 1% a-tocopherol, and 0.5% ferulic acid [2])



Application

- Anti-aging
- Radical scavengers
- UV absorber (Sunscreens)
- Whitening Agent
- Hair was, skin cream and lotion, soap, etc.





Technical data

1. Product information

Appearance	Crystalline Powder
Color	Off-white to yellow
Solubility	Freely soluble in ethanol, and slightly soluble in hot water.
Loss on drying	< 0.5

2. Formulation instruction

Recommended dosage	2.0%
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