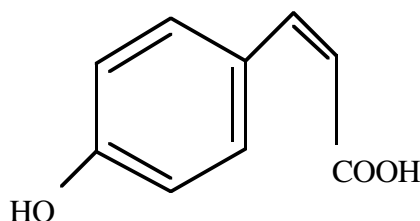


PARAHYDROXYCINNAMIC ACID is a non-toxic bactericide naturally present in the aloe which is very well-tolerated by the skin.

I.N.C.I. name : HYDROXYCINNAMIC ACID

### FORMULA

$C_9H_8O_3$  M.W. = 164



### SPECIFICATIONS

White to slightly beige crystalline powder

pH in 0.1 % (W/W) solution : between 3.3 and 3.5

Melting point : between 215 and 220°C

Barely soluble in cold water

Soluble in water at 100°C

Soluble in alkaline solutions

Very soluble in ether and boiling ethylic alcohol

Barely soluble in benzene

H.P.L.C. dosage > 97 %

### INCOMPATIBILITIES

Avoid association with strong oxidants.

### TOXICITY

Tolerance is excellent.

### ACTIVITIES

Very intensive bactericide against gram + germs, particularly towards pyogen colis such as staphylococcus aureus.

### USING INDICATIONS

Used for its bactericidal properties. It can be formulated in dermic creams, lotions, mouth washes, anti-acne products, shaving creams, cosmetic products for sensitive skins etc.

On the other hand, PARAHYDROXYCINNAMIC ACID is not a bacteriostatic, and classical preservatives must be incorporated into formulations.

### PRESERVATION

Excellent, in sealed containers away from the light.

### ADVISED DOSES

Between 1 and 2 %.

### DOCUMENTATION

Documents available on request.