



Active physiological carrier of calcium

A COMBINED ACTION BETWEEN

- PYRROLIDONE CARBOXYLIC ACID (PCA),
 A PHYSIOLOGICAL CARRIER FOR
 IMPROVED BIOAVAILABILITY
- CALCIUM, A BONE CONSTITUENT AND A CELLULAR MESSENGER

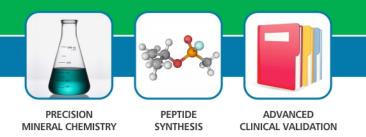
THE ANTI-AGING PARTNER,
FOR YOUR BONE & SKIN HEALTH

BIO INTELLIGENT EXPERTISE

To feel and be ...

Naturally Better!





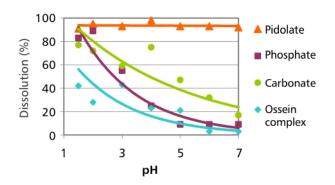


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Definition

PCA++: The pyrrolidone carboxylic acid (PCA) calcium salt. PCA is a key molecule involved in numerous biological mechanisms as physiological and biochemical intermediate.

PCA++: Highly soluble regardless of pH conditions.



Nutraceutical performances

- · Effectively incorporated into the bones*
- Pidolate as a collagen precursor can be recovered in the bone framework*
- Significant increase of the bone mass**
- * Study on rat using Labelled elements.
- ** Study on 72 women, receiving 1g of calcium per day during 1 year

Cosmeceutical performances

PCA++

- Increases expression of cellular differentiation markers*
- Increases epidermal lipid synthesis**

12000



[□] Polar lipids cpm / mg of epidermis 10000 Cholesterol sulfate 8000 Cerebrosides Ceramides 1 6000 Ceramides 2 4000 Cholesterol 2000 Triglycerides + diglycerides PCA++ 0.25% EGF

^{*} In vitro measurement of the Transglutaminase activity (Human keratinocytes)

^{**} In vitro study using human skin disk