RUTIN OF VITAMINP / Hespixidin

(Rutoside, quercetin-3-O-rutinoside) C27H30O16

Es of Bioflatamord

Rhamnoglucosidiy =

A polyphendic Comp.

Rutin, is the glycoside combining the flavonol quercetin and the disaccharide rutinose (α-L-rhamnopyranosyl- $(1\rightarrow 6)$ -β-D-glucopyranose).

The major sources of rutin for medical use include buckwheat, Japanese pagoda tree, and Eucalyptus macrorhyncha. Other sources of rutin include the leaves of several species of eucalyptus, lime tree flowers, elder flowers, hawthorn leaves and flowers, rue, St. John's Wort, *Ginkgo biloba*, apples, and other fruits and vegetables.

People believe that rutin can strengthen blood vessels, so they use it for varicose veins, internal bleeding, hemorrhoids, and to prevent strokes due to broken veins or arteries (hemorrhagic strokes).

Rutin is also used to prevent a side effect of cancer treatment called <u>mucositis</u>. This is a painful condition marked by swelling and ulcer formation in the mouth or lining of the digestive tract. In combination with the proteins trypsin and bromelain, rutin is also used for <u>osteoarthritis</u>.

Rutin is sometimes used on the skin to reduce wrinkles.

Rutin => microconstalling greenesh yellow tasteless

powder, Soluble in methanol, Responsyl
alcohol, pynding & 86h of Arkale hydroxider.

une > 1 elasticity of Bland Vespels & Capillary
fragility

hethod Harmontags

Isolation of Rentin 20 gm powdro drug Extracted with 80% estand filter & then add 25 ml water Further extrated with Pet eshes a CMU3 Seperate Ag. layer & Keep in Gloter 72 hr yellow ppt washed with CMU3' EA: Chand ha homemand futer it comporate to dyners yellow poonder (Rutin) 1) " + Lead Autate -> orange ye low pp