

Vasoprotective drugs

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Vascular diseases

- ❑ **thrombophlebitis** –thrombotic degenerative changes of vessel walls
- ❑ **varices** – usually big veins on legs
- ❑ **haemorrhoids** (piles) – vessels near rectum

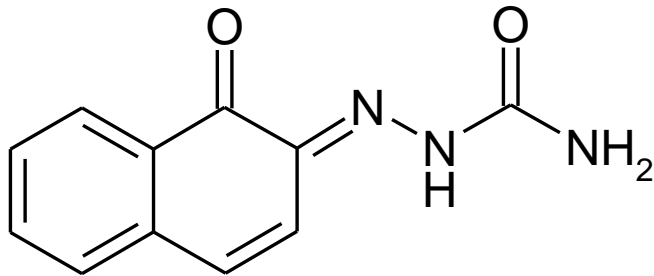
Natural drugs

- ❑ **Aescin** – mixture of saponines (triterpenic glycosides)
- ❑ **Rutin, Rutosid** – flavonoids (quercetin glycoside)
- ❑ **Troxerutin, Oxerutin** – semisynthetic hydroxylated derivative of Rutin
- ❑ **Diosmin, Hesperidin** – other flavonoids

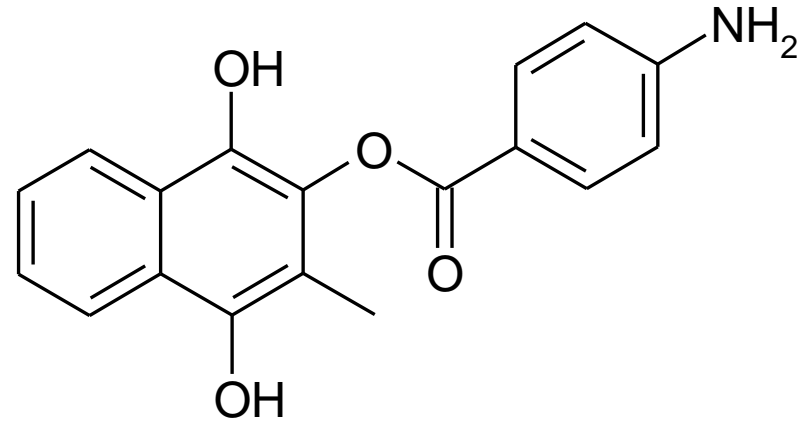
Synthetic drugs

Naphthazon, Aminaphton

- analogues of flavones
- lower lysosomal enzymes



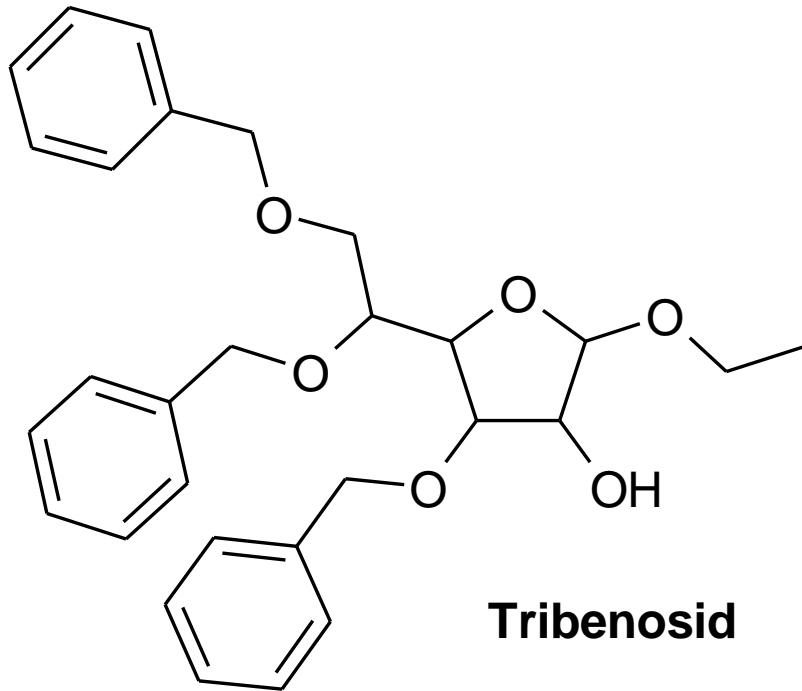
Naphtazon



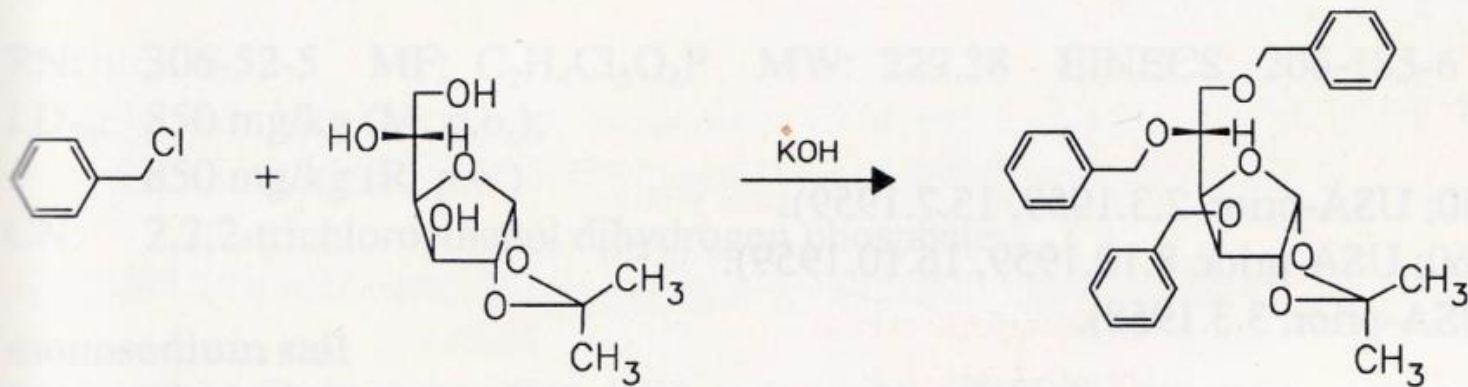
Aminaphton

Tribenosid

- inflammation mediators antagonist



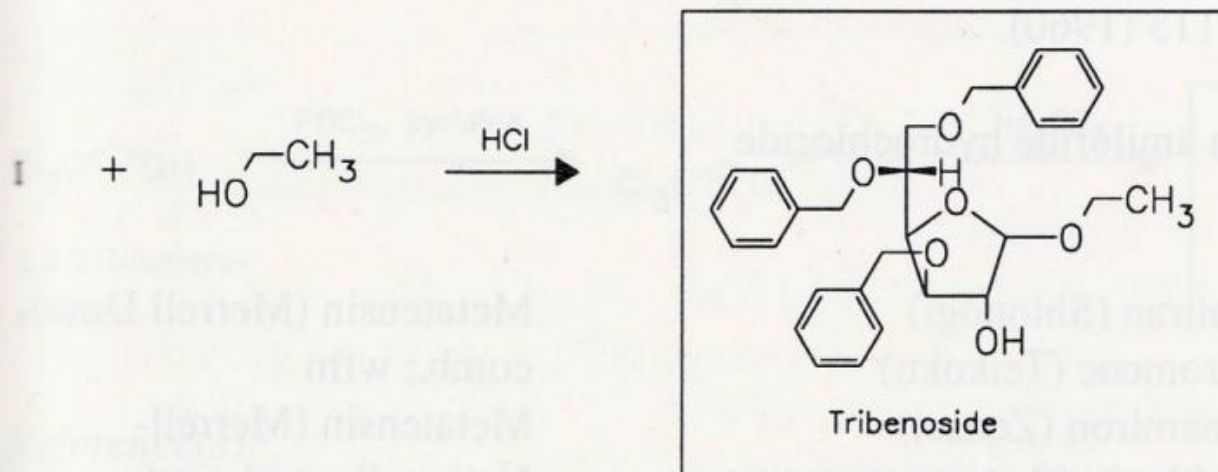
Tribenosid synthesis



benzyl
chloride

1,2-O-isopropylidene-
α-D-glucofuranose

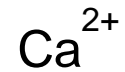
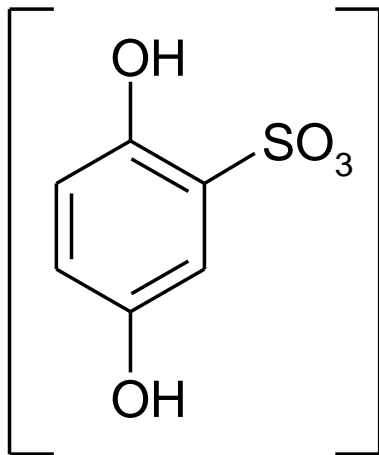
(I)



Tribenoside

Dobesylate, Etamsylate

- prostaglandine antagonists



Dobesylate



Etamsylate

Sclerosing agents

➤ **Lauromacrogol**

- therapy leads to degradation of varices
vein walls
- in combination with surgery (venoplasty)



Supportive treatment

- Heparin
- Heparinoids
- Local anesthetics
- Non-steroid antiphlogistics
- all in local forms of administration (unguent, cream, suppository)