

# Vasoprotective drugs

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# Vascular diseases

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

# Therapy

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

# Natural drugs

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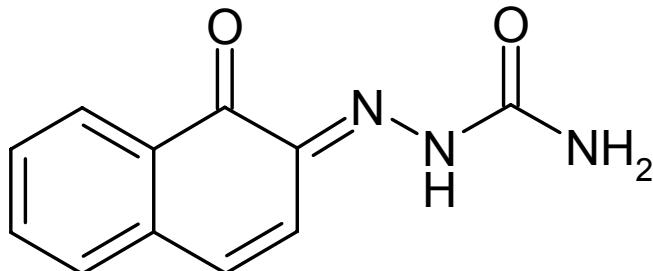
- **Aescin** – mixture of saponines (triterpenic glycosides)
- **Rutin** – flavonoid (quercetin glycoside)
- **Troxerutin** – semisynthetic hydroxylated derivative of Rutin
- **Diosmin, Hesperidin** – other flavonoids

# Synthetic drugs

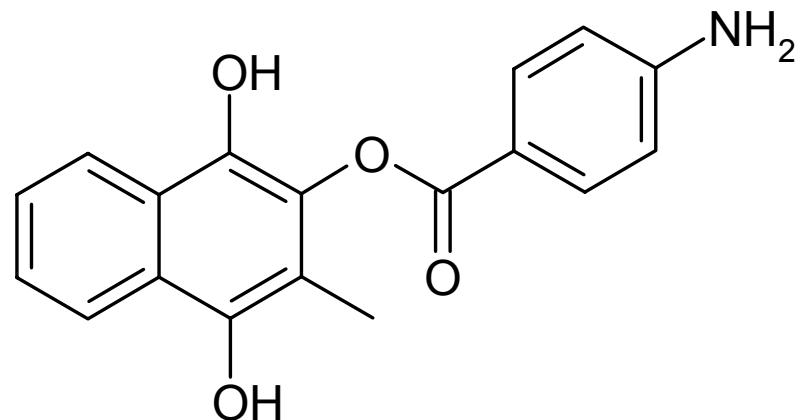
## Naphthazon, Aminaphton

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- analogues of flavones
- lower lysozomal enzymes



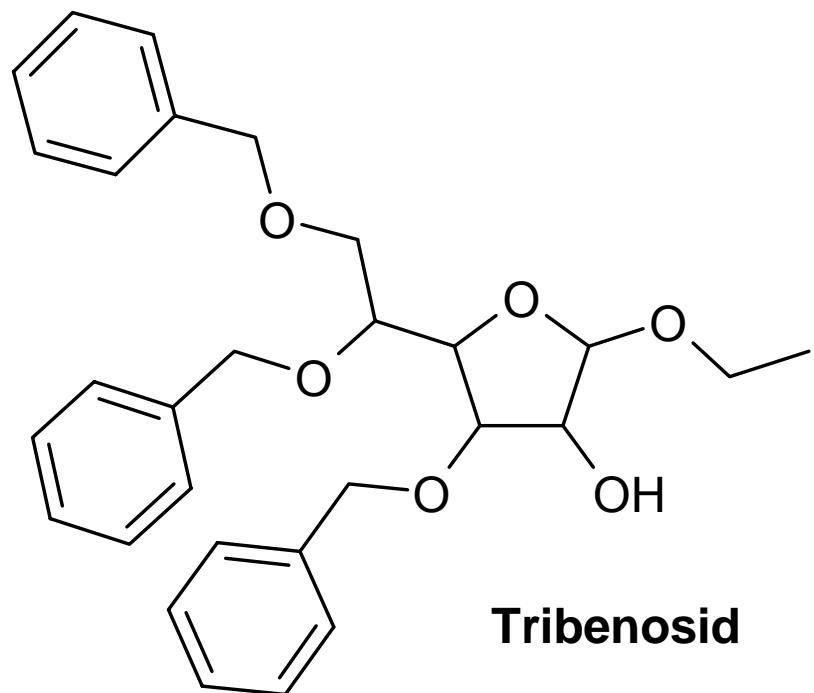
**Naphthazon**



**Aminaphton**

# Tribenosid

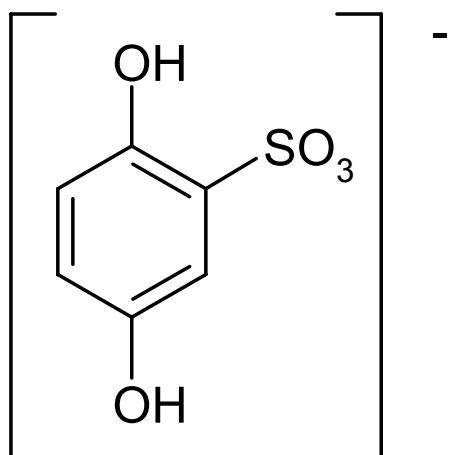
- inflammation mediators antagonist



# Dobesylate, Etamsylate

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- prostaglandine antagonists



$\text{Ca}^{2+}$   
**Dobesylate**

$\text{H}_2\text{N}^+(\text{CH}_2\text{CH}_3)_2$   
**Etamsylate**