

# Butagran Equi®

## Contact details

## The road to a painfree horse

### Taste

Phenylbutazone is tasteless at first, but has a slightly bitter aftertaste. To counteract the bitter aftertaste a “butter vanilla flavour” has been added to Butagran Equi®. Butagran Equi® is therefore very palatable and well accepted by horses.

### Horse passport

No Maximum Residues Limits and withdrawal periods have been established for phenylbutazone. Therefore it is not allowed to be used in horses intended for slaughter for human consumption. Before use section IX of the horse passport has to be filled in and signed (Decisions 93/623/EC and 2000/68/EC).

### Marketing authorisation holder

Dopharma Research B.V.  
Zalmweg 24  
4941 VX Raamsdonksveer  
The Netherlands  
Tel. +31 162 58 20 00  
Fax. +31 162 58 20 25  
Customer Service: CS@dopharma.com  
Technical Support: TS@dopharma.com



### Distributor



Butagran Equi®  
200 mg/g



Healthy livestock  Dopharma

# The road to a painfree horse

## Inflammation (Latin, inflammō, “I ignite, set alight”)

### What?

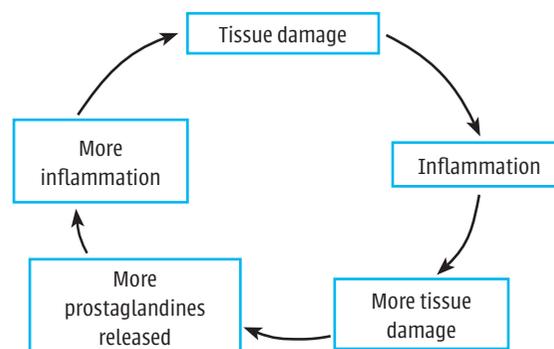
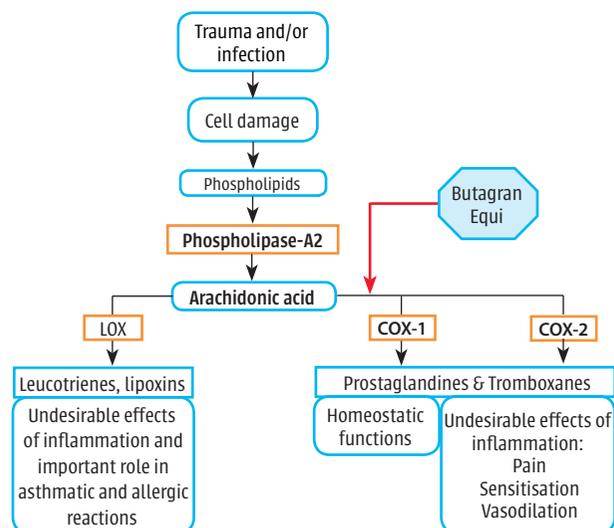
Inflammation is part of the complex biological response of vascular tissues to harmful stimuli, such as pathogens, damaged cells (trauma), or irritants. The classical signs of acute inflammation are pain, heat, redness, swelling, and loss of function.

### Why?

Inflammation is a protective attempt by the organism to remove the injurious stimuli and to initiate the healing process.

### How?

The inflammatory process starts with the damage of cells. This then triggers the inflammatory cascade or arachidonic pathway.



### Why interrupt?

- Pain  
Inflammation is painful and horses are negatively affected by it. The two most common expressions of pain in the horse are colic and lameness.
- Vicious circle  
Many of the inflammatory mediators formed in the arachidonic pathway can cause more cell damage. A self-enhancing process is then created which has the potential to get out of proportion or direct itself against inappropriate targets. This can result in permanent loss of function (scar tissue), allergies, auto-immune diseases.

### How?

By interrupting the arachidonic pathway the vicious circle will be halted. Non-steroidal anti-inflammatories (NSAIDs) block the cyclooxygenase enzymes COX-1 and COX-2 and therefore interrupt the inflammatory cascade.

## Phenylbutazone

Phenylbutazone is a NSAID that was introduced into veterinary medicinal practice in the 1950s. It still remains one of the most commonly used NSAIDs in horses.

## Butagran Equi®

### Product

Butagran Equi® is a granulate for oral use in horses. Each sachet contains 5 grams of product so that one sachet is equivalent to 1 gram of phenylbutazone.

### Indications

- Musculoskeletal conditions → relief from pain and reduction of the associated inflammation.
- Limiting post-surgical inflammation, myositis and other soft tissue inflammation.
- As an antipyretic.

### Dose

For oral administration. For ease of administration the product may be mixed with a limited quantity of bran or oats.

For each 450 kg of body weight the following dosage guide should be used according to individual response:

Day 1: Two sachets twice daily

Day 2 - 4: One sachet twice daily, followed by one sachet daily or on alternate days as required.

If no response is evident after 4-5 days, discontinue treatment.