

Misoprostol

(Angusta*, Cytotec*, Topogyne*) POM

- **Client Information Leaflet:** [Misoprostol](#)
- **Formulations**

Oral: 25 µg (microgram), 200 µg, 400 µg tablets.

- **Action**

Cytoprotection of the gastric mucosa: it inhibits gastric acid secretion and increases bicarbonate and mucus secretion, epithelial cell turnover and mucosal blood flow. It prevents, and promotes healing of, gastric and duodenal ulcers, particularly those associated with the use of NSAIDs. Some reports suggest it may not prevent gastric bleeding associated with high doses of methylprednisolone. It may also be useful in the management of canine atopy, although other treatments are likely safer.

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- **Use**
 - Protection against NSAID-induced gastric ulceration.
 - Has been used in combination with aglepristone to induce abortion in dogs and cats.

Give with food. Combinations with diclofenac are available for humans, but are not suitable for small animals because of different NSAID pharmacokinetics. In humans, higher doses (20 µg (micrograms)/kg p.o. q6–12h) are used to manage pre-existing NSAID-induced gastric ulceration, while doses of 2–5 µg/kg p.o. q6–8h are used prophylactically to prevent ulceration.

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- **DOSES**
 - **Dogs**
 - Protection against NSAID-induced gastric ulceration: 2–5 µg (micrograms)/kg p.o. q8–12h.
 - Atopic dermatitis: 3–6 µg/kg p.o. q8h has been suggested.
 - **Cats** Protection against NSAID-induced gastric ulceration: 5 µg (micrograms)/kg p.o. q8h.