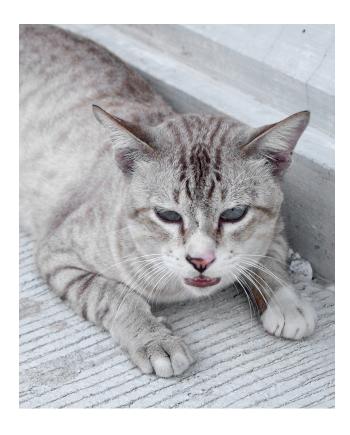
Theophylline

Phosphodiesterase Inhibitor Bronchodilator



Prescriber Highlights

 Bronchodilator used short-term to treat bronchospasm and cardiogenic pulmonary edema

Information about this drug was adapted from Plumb's Veterinary Drugs. Further details and more therapeutics can be found with a subscription at plumbsveterinarydrugs.com

Uses, Indications

- Used primarily for bronchodilatory effects in coughing animals
- Potentially beneficial in dogs with pulmonary arterial hypertension if the underlying cause is chronic obstructive pulmonary disease

Contraindications, Precautions, Warnings

- Contraindications Patients with hypersensitivity to any xanthine drugs, including aminophylline, theobromine, or caffeine
- Precautions Patients with severe cardiac disease, seizures, gastric ulcers, renal or hepatic disease, severe hypoxia, or severe hypertension
- Warnings May cause or worsen pre-existing arrhythmias

Side Effects

- CNS stimulation
- Gl irritation
- Polyphagia, polydipsia, and polyuria

Drug Interactions

- Multiple drug interactions can occur, which can both increase and decrease the effects of theophylline
- Additionally, theophylline can interact with several drugs (eg, benzodiazepines, propofol, ketamine), causing a decrease in efficacy of those drugs

Monitoring

Therapeutic efficacy and clinical signs of toxicity

Client Information

- Giving with food may prevent stomach upset and vomiting
- Do not crush the tablets

Dosage Forms

- No veterinary-labeled products are available
- Human-labeled products available for extra-label use include:
 - Theophylline capsules and tablets: 100 mg, 125 mg, 200 mg, 300 mg, 450 mg, 600 mg
 - Theophylline elixir: 80 mg/15 mL

—Compiled and summarized from Plumb's Veterinary Drugs by Shannon Palermo, VMD