

## Chlorambucil

### (Leukeran\*) POM

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

Oral: 2 mg tablets.

- **Action**

Alkylating agent that inhibits DNA synthesis and function through crosslinking with cellular DNA. Cell cycle non-specific.

- **Use**

- Management of some malignancies including in some metronomic chemotherapy protocols.
- May be useful in the treatment of feline pemphigus foliaceus and severe feline eosinophilic granuloma complex.
- Management of lymphoproliferative, myeloproliferative and immune-mediated diseases including protein-losing enteropathy.

- **DOSES**

**See Appendix for chemotherapy protocols and conversion of bodyweight to body surface area.**

- **Dogs** Give with food:
  - Chronic lymphocytic leukaemia: 2–6 mg/m<sup>2</sup>p.o. q24h initially until remission achieved, then at reduced dosage/frequency as required to maintain remission; or 0.2 mg/kg q24h for 7 days then 0.1 mg/kg q24h for maintenance; or 20 mg/m<sup>2</sup>q1–2wk. Often used with prednisolone 40 mg/m<sup>2</sup>p.o. q24h for 7 days then 20 mg/m<sup>2</sup>q48h.
  - Lymphoma: 15–20 mg/m<sup>2</sup>p.o. q2wk with prednisolone; or 2–6 mg/m<sup>2</sup> q24–48h. 1.4 mg/kg p.o. as single dose as substitute for cyclophosphamide in CHOP-type protocols.
  - Pemphigus complex (in combination with corticosteroids): 0.1–0.2 mg/kg p.o. q24h initially until marked improvement of clinical signs; then alternate-day dosing, often for several weeks.
  - Protein-losing enteropathy and other immune-mediated diseases: 2–6 mg/m<sup>2</sup> p.o. q24h until clinical remission, then tapered to the minimum effective dose.
  - For metronomic chemotherapy: 4 mg/m<sup>2</sup>p.o. q24h.
- **Cats** Give with food:
  - Immune-mediated disease: cats >4 kg: 2 mg (total dose) p.o. q48h for 2–4 weeks, then tapered to lowest effective dose; cats <4 kg: start at 2 mg (total dose) q72h.

- Chronic lymphocytic leukaemia: 2 mg/m<sup>2</sup>p.o. q48h or 20 mg/m<sup>2</sup> q14d, with or without prednisolone.
- For low grade/small cell lymphoma: 20 mg/m<sup>2</sup>p.o. q2wk with prednisolone or follow immune-mediated disease dosing.
- As a substitute for cyclophosphamide in the CHOP protocol: 1.4 mg/kg p.o. once.
- Feline pemphigus foliaceus or severe feline eosinophilic granuloma complex (in combination with corticosteroids): 0.1–0.2 mg/kg p.o. q24h until marked improvement of clinical signs; then alternate-day dosing, often for several weeks.