

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/m²p.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/m²q1–2wk. Often used with prednisolone 40 mg/m²p.o. q24h for 7 days then 20 mg/m²q48h.
 - Lymphoma: 15–20 mg/m²p.o. q2wk with prednisolone; or 2–6 mg/m² 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/m² p.o. q24h until clinical remission, then tapered to the minimum effective dose.
 - For metronomic chemotherapy: 4 mg/m²p.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/m²p.o. q48h or 20 mg/m² q14d, with or without prednisolone.
- For low grade/small cell lymphoma: 20 mg/m²p.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.