



ALFACALCIDOL

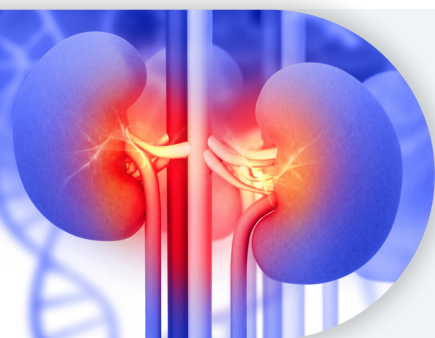
Alfacalcidol (or **1-hydroxycholecalciferol**) is an analogue of vitamin D used for supplementation in humans and as a poultry feed additive.

It's activated by the enzyme 25-hydroxylase in the liver for systemic and in osteoblasts for local D-hormone actions. It possesses a unique pattern of pleiotropic effects on, e.g. gut, bone, parathyroids, muscle and brain. Alfacalcidol is superior to plain vitamin D (cholecalciferol) because the final kidney activation of the latter is regulated by a negative feedback mechanism.

PRODUCT FEATURES

Alfacalcidol has a weaker impact on calcium metabolism and parathyroid hormone levels than other Vitamin D3 metabolites, however alfacalcidol has significant effects on the immune system, including regulatory T cells. Widely used for patients with end stage renal disease, given that is an active form of D3 and therefore does not require hydroxylation at kidney level.

There is robust evidence that **Alfacalcidol** may be special active in conditions where there is an increased rate of bone loss. Its administration in postmenopausal women showed an increase on trabecular bone mineral density.



ALFACALCIDOL IS OUR PROPOSAL FOR:

- Renal Asteodystrophy
- Hypocalaemia & hyperphosphataemia,
- Vitamin dependents
- Renal tubular Osteomalacia
- Osteoporosis prevention
- Foetal growth

✓ Used as a poultry feed additive, it prevents tibial dyschondroplasia and increases phytate bioavailability.

