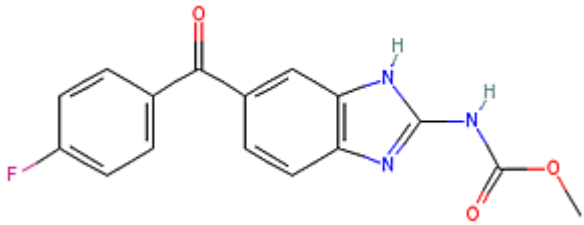


## FLUBENDAZOLE

<b>Chemical Name</b>	methyl N-[5-(4-fluorobenzoyl)-3H-benzimidazol-2-yl]carbamate
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>12</sub> FN <sub>3</sub> O <sub>3</sub>
<b>Molecular Weight</b>	313.283
<b>CAS No.</b>	31430-15-6
<b>Chemical Structure</b>	
<b>Specification</b>	EP/CPV
<b>Pharmacodynamic Properties</b>	<p>Flubendazole is a synthetic anthelmintic belonging to the benzimidazole carbamates which acts by inhibiting the microtubular assembly in absorptive cells of nematodes. It acts by binding to tubulin, the dimeric subunit protein of the microtubules. It inhibits microtubular assembly in absorptive cells: i.e. of intestinal cells of nematodes. This is shown by disappearance of cytoplasmic microtubules, accumulation of secretory granules in the cytoplasm due to a block in their transport, leading to an impaired coating of the cellular membrane and a decreased digestion and absorption of nutrients. Irreversible lytic degeneration of the cell, due to the accumulation of secretory substances (hydrolytic and proteolytic enzymes), results in the death of the parasite.</p> <p>Flubendazole is a broad-spectrum anthelmintic agent effective</p>

	against endoparasites such as gastro-intestinal ascarids, hookworms, whipworms found in dogs, and active a range of gastrointestinal parasites in pigs and poultry such as roundworms, and tapeworms, <i>Ascaris suum</i> (large roundworm), gapeworms, <i>Hyostromylus rubidus</i> (red stomach worm), <i>Oesophagostomum dentatum</i> (nodular worm), <i>Trichuris suis</i> (whip worm), <i>Strongyloides ransomi</i> (adult), <i>Metastrongylus apri</i> (lungworm). Flubendazole is ovicidal.
<b>Storage</b>	Keep container tightly closed in a cool, well-ventilated area.