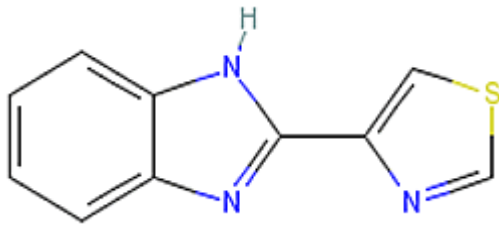


## THIABENDAZOLE

<b>Chemical Name</b>	2-(1,3-thiazol-4-yl)-1H-benzimidazole
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>7</sub> N <sub>3</sub> S
<b>Molecular Weight</b>	201.249
<b>CAS No.</b>	148-79-8
<b>Chemical Structure</b>	
<b>Specification</b>	EP/CPV/USP
<b>Pharmacodynamic Properties</b>	<p>Thiabendazole belongs to the family of benzimidazole. It is used as a parasiticide to control roundworms, hookworms, and other helminth species which attack wild animals, livestock and humans. The precise mode of action on the parasite is unknown, but it may inhibit the helminth-specific enzyme fumarate reductase and impairing glucose transferring and ATP-synthesis.</p> <p>Thiabendazole is vermifugal against <i>Ascaris lumbricoides</i> ("common roundworm"), <i>Strongyloides stercoralis</i> (threadworm), <i>Necator americanus</i>, and <i>Ancylostoma duodenale</i> (hookworm), <i>Trichuris trichiura</i> (whipworm), <i>Ancylostoma braziliense</i> (dog and cat hookworm), <i>Toxocara canis</i> and <i>Toxocara cati</i> (ascarids), and <i>Enterobius vermicularis</i> (pinworm). Its effect on larvae of <i>Trichinella spiralis</i> that have migrated to muscle is questionable.</p> <p>Thiabendazole also suppresses egg and/or larval production and may inhibit the subsequent development of those eggs or larvae which are passed in the feces.</p> <p>It is a fungicide and used primarily to control mold, blight, and other fungally caused diseases in fruits and vegetables..</p> <p>Thiabendazole is applied to some bananas, including Chiquita brand bananas</p>

	<p>'to ensure freshness'.</p> <p>Thiabendazole is also a chelating agent, which means that it is used medicinally to bind metals in cases of metal poisoning, such as lead poisoning, mercury poisoning or antimony poisoning.</p>
<b>Storage</b>	Keep container tightly closed in a cool, well-ventilated area.