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# Pantoprazole

National Cancer Institute

## Source

National Cancer Institute. *Pantoprazole*. NCI Thesaurus. Code C29346.

A substituted benzimidazole and proton pump inhibitor with antacid activity. Pantoprazole is a lipophilic weak base that crosses the parietal cell membrane and enters the acidic parietal cell canaliculus where it becomes protonated, producing the active metabolite sulphenamide, which forms an irreversible covalent bond with two sites of the H<sup>+</sup>/K<sup>+</sup>-ATPase enzyme located on the gastric parietal cell, thereby inhibiting both basal and stimulated gastric acid production.