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# Pantoprazole Sodium

National Cancer Institute

## Source

National Cancer Institute. *Pantoprazole Sodium*. NCI Thesaurus. Code C61877.

The sodium salt form of a substituted benzimidazole with proton pump inhibitor 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 sulfenamide, 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.