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Vonoprazan Fumarate

National Cancer Institute

Source

National Cancer Institute. <u>Vonoprazan Fumarate</u>. NCI Thesaurus. Code C151949.

The fumarate salt form of vonoprazan, a pyrrole derivative and reversible potassiumcompetitive acid blocker (P-CAB), with potential antacid activity. Upon administration, vonoprazan specifically and competitively binds to the gastric hydrogen-potassium AT Pase (H+/K+ AT Pase) proton pump at or, more likely, near its potassium ion (K+) binding site and sterically inhibits K+ binding. This blocks the activation of the H+/K+ AT Pase by K+, inhibits the proton pump and prevents gastric acid secretion, thereby lowering gastric acid levels.