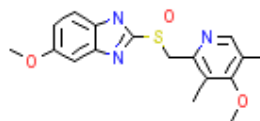


OMEPRAZOLE



Omeprazole is a compound that inhibits gastric acid secretion and is indicated in the treatment of gastroesophageal reflux disease (GERD), the healing of erosive esophagitis, and *H. pylori* eradication to reduce the risk of duodenal ulcer recurrence. Omeprazole belongs to a new class of antisecretory compounds, the substituted benzimidazoles that suppress gastric acid secretion by specific inhibition of the H⁺/K⁺ ATPase enzyme system at the secretory surface of the gastric parietal cell. Because this enzyme system is regarded as the acid (proton) pump within the gastric mucosa, omeprazole has been characterized as a gastric acid-pump inhibitor, in that it blocks the final step of acid production. This effect is dose-related and leads to inhibition of both basal and stimulated acid secretion irrespective of the stimulus.

Chemical Formula	: C ₁₇ H ₁₉ N ₃ O ₃ S
CAS #	: 73590-58-6
Molecular Weight	: 345.417 g/mol
Compliance	: IP/USP
Grades	: White crystals or powder
Shelf Life	: 5 years when stored at room temperature in original packing.
Standard Pack Sizes	: 25kgs or 50kgs in HDPE drums, Fiber Board drums or Corrugated boxes.
Regulatory Status	: Manufacturing is performed according to the current good manufacturing practice (cGMP) guidelines.

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