Lansoprazole is a proton pump (H+/K+ ATPase) inhibitor (PPI) that exhibits antacid and anti-inflammatory activities. Lansoprazole is clinically used to treat gastroesophageal reflux disease (GERD). Lansoprazole inhibits indomethacin-induced gastric damage by preventing activation of mitochondria- and Fas-mediated apoptosis signaling pathways. Lansoprazole also inhibits PMA-induced activation of ERK1/2 and LPS-induced activation of p38 MAPK in neutrophils and decreases levels of pro-inflammatory cytokines in macrophages.

References


Caution: This product is intended for laboratory and research use only. It is not for human or drug use.