**Product Information**

**Product ID** L0254  
**CAS No.** 103577-45-3

**Chemical Name** 1H-Benzimidazole, 2-(((3-methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl)methyl)sulfinyl)-

**Synonym** AG-1749, Agopton, Lansox, Lanzor, Limpidex.

**Formula** C_{16}H_{14}F_{3}N_{3}O_{2}S  
**Formula Wt.** 369.36

**Melting Point** 178-182°C (dec)  
**Purity** ≥98%

**Solubility** Insoluble in water, Soluble in methanol and DMF.

**Store Temp** 4°C  
**Ship Temp** Ambient

**Description** 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.