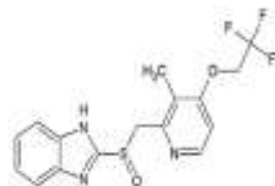


Lansoprazole

ALTERNATE NAME: AG-1749
2-[[[3-methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]sulfinyl]-1H-benzimidazole

CATALOG #: B3312-100 100 mg
B3312-500 500 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₆H₁₄F₃N₃O₂S

MOLECULAR WEIGHT: 369.4

CAS NUMBER: 103577-45-3

APPEARANCE: Crystalline solid

PURITY: ≥98%

SOLUBILITY: >30 mg/ml DMSO

DESCRIPTION: Lansoprazole is a proton pump inhibitor that inhibits the H⁺/K⁺-ATPase. It inhibits K⁺ and H⁺ accumulation in gastric microsomes in a concentration-dependent manner (IC₅₀s = 6.3 and 7.0 μM, respectively) and inhibits H⁺/K⁺-ATPase activity by approximately 60% when used at a concentration of 10 μM. Formulations containing lansoprazole have been used as a proton pump inhibitor and in combination with antibiotics in the treatment of H. pylori infections and duodenal ulcer disease.

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

ML-240 (B1142)
Bafilomycin A1 (1829)
Oosporein (B2476)
(+)-Blebbistatin (2407)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*