

Lansoprazole (sodium)

Catalog No: tcsc1848



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

226904-00-3

Formula:

$C_{16}H_{13}F_3N_3NaO_2S$

Pathway:

Membrane Transporter/Ion Channel

Target:

Proton Pump

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

AG-1749 sodium

Observed Molecular Weight:

391.34

Product Description

Lansoprazole sodium(AG-1749) is a proton pump inhibitor which prevents the stomach from producing acid.

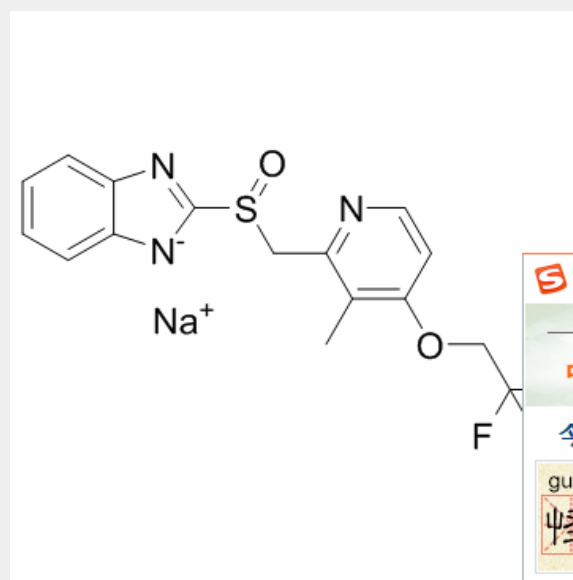
Target: Proton Pump

Lansoprazole (sodium) is sodium salt form of lansoprazole, lansoprazole, a substituted benzimidazole proton pump inhibitor, on pharmacokinetics and metabolism of theophylline has been studied in healthy adults given oral lansoprazole 30 mg once daily for 11 days. On Days 4 and 11 of 300 mg aminophylline was simultaneously administered orally and blood samples for theophylline analysis were taken over 24 h [1]. Patients in the lansoprazole group were significantly less likely to have a recurrence of ulcer complications than patients in the placebo group ($P=0.008$). There was no significant difference in mortality between the two groups [2]. lansoprazole (AG-1749) and omeprazole, were found to have significant activities against this organism. The activity of lansoprazole was comparable to that of bismuth citrate, with MICs ranging from 3.13 to 12.5 micrograms/ml, and fourfold more potent than that of omeprazole [3].

Clinical indications: Duodenal ulcer; Esophagitis; Gastroesophageal reflux; Gastrointestinal disease; Helicobacter pylori infection; Peptic ulcer; Stomach ulcer; Ulcer; Zollinger-Ellison syndrome

FDA Approved Date: May 10, 1995

Toxicity: Symptoms of overdose include abdominal pain, nausea and diarrhea.



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