A novel histamine H2 receptor antagonist.\(^1\) Suppresses inflammatory responses via inhibition of NF-κB and p38 MAPK activation in LPS-induced RAW 264.7 macrophages.\(^2\) Clinically useful agent for prevention and healing of gastric and duodenal ulcers and bleeding.\(^3\) Attenuates degradation of extracellular matrix in osteoarthritis models by inactivating the NF-κB pathway.\(^4\)

3) Imaeda et al. (2011), *Effect of lansoprazole versus roxatidine on prevention of bleeding and promotion of ulcer healing after endoscopic submucosal dissection for superficial gastric neoplasia*; J. Gastroenterol., **46** 1267

**PHYSICAL DATA**

Molecular Weight: 306.40
Molecular Formula: C\(_{17}\)H\(_{26}\)N\(_2\)O\(_3\)
Purity: 98% by TLC
NMR: (Conforms)
Solubility: DMSO (up to 25 mg/ml)
Physical Description: Colorless or pale yellow oil
Storage and Stability: Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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