



LKT Laboratories, Inc.

Nizatidine

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID N3496

CAS No. 76963-41-2

Chemical Name N-(2-(((2-((Dimethylamino)methyl)-4-thiazolyl)methyl)thio)ethyl)-N'-methyl-2-nitro-1,1-ethenediamine

Synonym Calmaxid, Cronizat, Distaxid, Gastrax, Naxidine, Nizax, Nizaxid, Tazac, Zanizal.

Formula C₁₂H₂₁N₅O₂S₂

Formula Wt. 331.46

Melting Point 130-132 °C

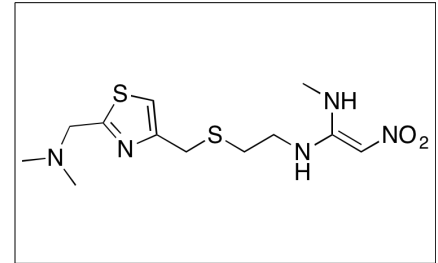
Purity ≥98%

Solubility Soluble in chloroform (>100mg/mL), methanol (50-100mg/mL), or water (10-33mg/mL).

Store Temp Ambient

Ship Temp Ambient

Description Nizatidine is an inverse agonist at histamine H₂ receptors that exhibits antacid and immunostimulatory activities. Nizatidine shortens gastric emptying time in clinical settings. Additionally, this compound stimulates maturation of dendritic cells and displays potential benefit as an immunization adjuvant, boosting vaccine immune response.



Bulk quantities available upon request

Product ID	Size
N3496	5 g
N3496	10 g

References Doi H, Sakakibara R, Sato M, et al. Nizatidine ameliorates gastroparesis in Parkinson's disease: a pilot study. *Mov Disord.* 2014 Apr;29(4):562-6. PMID: 24375669.

Wang S, Wu B, Xue J, et al. Nizatidine, a small molecular compound, enhances killed H5N1 vaccine cell-mediated responses and protects mice from lethal viral challenge. *Hum Vaccin Immunother.* 2014 Feb 1;10(2):461-8. PMID: 24253609.

Kurt A, Altun A, Bağcivan I, et al. Effects of proton pump inhibitors and h(2) receptor antagonists on the ileum motility. *Gastroenterol Res Pract.* 2011;2011:218342. PMID: 22216022.

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