



LKT Laboratories, Inc.

Piroxicam

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Product Information

Product ID P3269
CAS No. 36322-90-4
Chemical Name 4-Hydroxy-2-methyl-N-(2-pyridyl)-2H-1,2-benzothiazine-3-carboxamide-1,1-dioxide

Synonym Feldene, Piroftal, Roxicam

Formula C₁₅H₁₃N₃O₄S

Formula Wt. 331.35

Melting Point 198-200° C

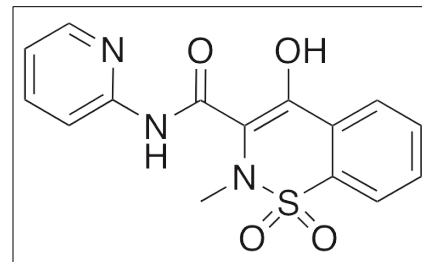
Purity ≥98%

Solubility Insoluble in water. Soluble in acetonitrile.

Store Temp Ambient

Ship Temp Ambient

Description Piroxicam is a non-steroidal anti-inflammatory drug (NSAID) that exhibits anti-inflammatory, analgesic, antipyretic, neuroprotective, anticancer, and chemopreventive activities. Piroxicam inhibits COX-1 and COX-2. Cu(II) complexes of piroxicam bind GC sequences of DNA. In animal models, this compound decreases development of polyps and colorectal cancer. In cellular models of Parkinson's disease, piroxicam inhibits MPP⁺-induced decreases in phosphorylated Akt and neurodegeneration.



Bulk quantities available upon request

Product ID	Size
P3269	1 g
P3269	5 g
P3269	10 g

References Chakraborty S, Bose M, Sarkar M. Spectroscopic studies of the binding of Cu(II) complexes of oxicam NSAIDs to alternating G-C and homopolymeric G-C sequences. *Spectrochim Acta A Mol Biomol Spectrosc.* 2014 Mar 25;122:690-7. PMID: 24345609.

Barkin RL. Topical Nonsteroidal Anti-Inflammatory Drugs: The Importance of Drug, Delivery, and Therapeutic Outcome. *Am J Ther.* 2012 Feb 22. [Epub ahead of print]. PMID: 22367354.

Tasaki Y, Yamamoto J, Omura T, et al. Oxicam structure in non-steroidal anti-inflammatory drugs is essential to exhibit Akt-mediated neuroprotection against 1-methyl-4-phenyl pyridinium-induced cytotoxicity. *Eur J Pharmacol.* 2012 Feb 15;676(1-3):57-63. PMID: 22182582.

Qiu ZF, Maruyama K, Sunayama K, et al. Piroxicam-induced regression of intestinal adenomatous polyps in APC(delta474) mice. *J Invest Surg.* 2003 Mar-Apr;16(2):71-81. PMID: 12746190.

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