

Product Information

Product ID T1654
CAS No. 59804-37-4
Chemical Name 4-Hydroxy-2-methyl-N-2-pyridinyl-2H-thieno[2,3-e]-1,2-thiazine-3-carboxamide 1,1-dioxide

Synonym Alganex, Dolmen, Liman, Mobiflex, Rexalgan, Tilcotil

Formula C₁₃H₁₁N₃O₄S₂

Formula Wt. 337.38

Melting Point 209-213 °C (dec)

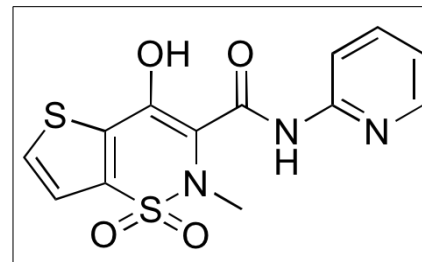
Purity ≥98%

Solubility Soluble in DMSO, chloroform and methylene chloride.

Store Temp Ambient

Ship Temp Ambient

Description Tenoxicam is a non-steroidal anti-inflammatory drug (NSAID) that exhibits anti-inflammatory, analgesic, neuroprotective, and antioxidative activities; it inhibits COX-1 and COX-2. Tenoxicam is clinically used to treat rheumatoid arthritis, osteoarthritis, ankylosing spondylitis, tendonitis, and bursitis. In neurons, tenoxicam inhibits MPP⁺-induced decreases in phosphorylated Akt and also scavenges free radicals, preventing lipid peroxidation.



Bulk quantities available upon request

Product ID	Size
T1654	250 mg
T1654	1 g
T1654	5 g

References 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.

Suleyman H, Halici Z, Cadirci E, et al. Indirect role of beta2-adrenergic receptors in the mechanism of anti-inflammatory action of NSAIDs. *J Physiol Pharmacol.* 2008 Dec;59(4):661-72. PMID: 19212002.

Maffei Facino RM, Carini M, Saibene L. Scavenging of free radicals by tenoxicam: a participating mechanism in the antirheumatic/antiinflammatory efficacy of the drug. *Arch Pharm (Weinheim).* 1996 Oct;329(10):457-63. PMID: 8933748.

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