



## 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** C<sub>13</sub>H<sub>11</sub>N<sub>3</sub>O<sub>4</sub>S<sub>2</sub>

**Formula Wt.** 337.38

**Melting Point** 209-213 °C (dec)

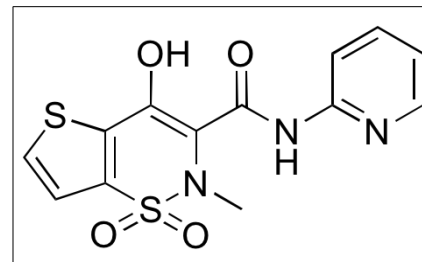
**Purity** ≥98%

**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<sup>+</sup>-induced decreases in phosphorylated Akt and also scavenges free radicals, preventing lipid peroxidation.



## Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
T1654	250 mg	\$64.50
T1654	1 g	\$168.30
T1654	5 g	\$560.40

**References** Tasaki Y, Yamamoto J, Omura T, et al. Oxidation 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.