

Product Data Sheet

Product Name: Tenoxicam

Cat. No.: GC10006

Chemical Properties

Cas. No. 59804-37-4

Chemical Name 4-hydroxy-2-methyl-1,1-dioxo-N-pyridin-2-ylthieno[2,3-e]thiazine-3-carboxamide

SMILES CN1C(=C(C2=C(S1(=O)=O)C=CS2)O)C(=O)NC3=CC=CC=N3

Formula $C_{13}H_{11}N_3O_4S_2$

M.Wt 337.37832

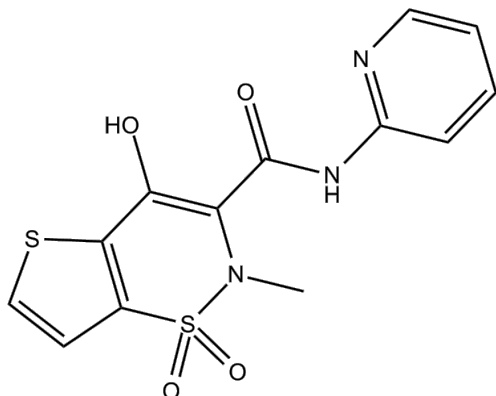
Solubility $\geq 10.5\text{mg/mL}$ in DMSO

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Tenoxicam (Ro-12-0068), an antiinflammatory agent with analgesic and antipyretic properties.

Caution: Product has not been fully validated for medical applications. For research use only.

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Tenoxicam (Ro-12-0068) is a non-steroidal anti-inflammatory drug (NSAID)[1].

Tenoxicam (Ro-12-0068) was administered intraperitoneally immediately after BCAA. Histological analyses show that ischemia produced significant striatal as well as hippocampal lesions which were reversed by the Tenoxicam (Ro-12-0068) treatment. Tenoxicam (Ro-12-0068) also significantly reduced, to control levels, the increased myeloperoxidase activity in hippocampus homogenates observed after ischemia[2].

References:

- [1]. Ozgocmen, S., et al., In vivo effect of celecoxib and tenoxicam on oxidant/ anti-oxidant status of patients with knee osteoarthritis. Ann Clin Lab Sci, 2005. 35(2): p. 137-43.
- [2]. Galvao, R.I., et al., Tenoxicam exerts a neuroprotective action after cerebral ischemia in rats. Neurochem Res, 2005. 30(1): p. 39-46.

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