Lornoxicam  
Item No. 70220

CAS Registry No.: 70374-39-9  
Formal Name: 6-chloro-4-hydroxy-2-methyl-N-2-pyridinyl-2H-thieno[2,3-e]-1,2-thiazine-3-carboxamide-1,1-dioxide  
Synonym: Ro 13-9297  
MF: C_{13}H_{10}ClN_{3}O_{4}S_{2}  
FW: 371.8  
Purity: ≥98%  
UV/Vis.: \( \lambda_{\text{max}} \): 270, 381 nm  
Supplied as: A crystalline solid  
Storage: -20°C  
Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly

Laboratory Procedures

Lornoxicam is supplied as a crystalline solid. A stock solution may be made by dissolving the lornoxicam in the solvent of choice. Lornoxicam is soluble in the organic solvents ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of lornoxicam in ethanol and DMF is approximately 1 mg/ml and approximately 2 mg/ml in DMSO. It is also soluble in water at a concentration of 1 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

Lornoxicam is a non-steroidal anti-inflammatory drug (NSAID) that potently inhibits both COX-1 and COX-2 (IC\(_{50}\)s = 5 and 8 nM, respectively).\(^1\) It is used, in a variety of different formulations, as an analgesic.\(^2-4\)

References

2. Cutolo, M. Glucocorticoids and chronotherapy in rheumatoid arthritis. RMD Open 2(1), (2016).