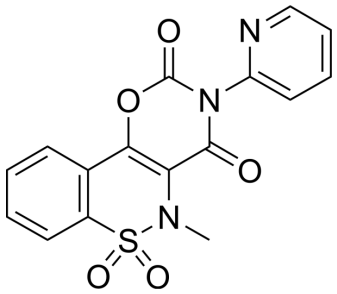
Droxicam

Cat. No.:	HY-107345
CAS No.:	90101-16-9
Molecular Formula:	$C_{16}H_{11}N_3O_5S$
Molecular Weight:	357.34
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Droxicam (Ombolan) is a non-steroidal anti-inflammatory agent, with strong analgesic activity. Droxicam acts by inhibiting PGE2 varies, and is characterised by being a pro-drug of Piroxicam (HY-B0253). Droxicam is well tolerated with slight side effects in the said mucosa. Droxicam does not show cardiovascular or respiratory effects in cats, and inhibits peritoneal capillary permeability in mouse[1][2].
In Vivo	Droxicam (0.25 and 0.5 mg/kg; po) shows high antiinflammatory activity in carrageenin-induced edema in rat[1]. Droxicam (ED50, p.o.; 5, 6, 7, 8 h; 7.5, 12.9, 4.8, 8.4 mg/kg) shows high antiinflammatory activity against nystatin-induced edema in rat[1]. Droxicam (ED50, p.o., 1, 2, 3, 4 h: 0.51, 0.94, 1.56, 4.88 mg/kg) shows protective effects in U.V. light-induced erythema in guinea pigs[1]. Droxicam (0.1 mg/kg, 0.33 mg/kg, 1 mg/kg; po; once daliy) shows good antiarthritic activity in rats injected with Mycobacterium butyricum against primary and secondary lesions[1]. Droxicam demonstrates strong analgesic activity in protecting against writhings : induced by phenylbenzoquinone in mice, induced by acetylcholine bromide in mice, with ED50s of 5.3 mg/kg and 1.1 mg/kg, respectively[1]. Droxicam (ED50=0.081 mg/kg; po) protects rat against diarrhea induced by castor oil[1]. Droxicam significantly inhibits peritoneal capillary permeability in mice[1]. Droxicam does not alter rat behavior (80 mg/kg, i.p.) nor that of mice (160 mg/kg, p.o.) in the Irwin's test[1]. Droxicam does not exhibit uricosuric activity in rats, neither shows cardiovascular or respiratory effects in anesthetized cats, nor modify their response to administration of acetylcholine, norepinephrine and histamine[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Farré AJ, et al. Pharmacological properties of droxicam, a new non-steroidal anti-inflammatory agent. Methods Find Exp Clin Pharmacol. 1986 Jul;8(7):407-22.

[2]. Jané F, et al. Droxicam: a pharmacological and clinical review of a new NSAID. Eur J Rheumatol Inflamm. 1991;11(4):3-9.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA