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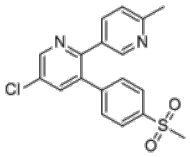
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Etoricoxib
Cat. No.	:	PC-20873
CAS No.	:	202409-33-4
Molecular Formula	:	$C_{18}H_{15}ClN_2O_2S$
Molecular Weight	:	358.84
Target	:	Cyclooxygenase (COX)
Solubility	:	10 mM in DMSO



CAS: 202409-33-4

Biological Activity

Etoricoxib (MK-0663) is a potent, selective and orally active inhibitor of COX-2 with IC50 of 1.1 uM for COX-2 (LPS-induced prostaglandin E2 synthesis), shows no activity against COX-1.
Etoricoxib does not inhibit platelet or human recombinant COX-1 under most assay conditions (IC50>100 uM).
Etoricoxib is a potent inhibitor in models of carrageenan-induced paw edema (ID(50) 0.64 mg/kg), carrageenan-induced paw hyperalgesia (ID(50)=0.34 mg/kg), LPS-induced pyresis (ID(50) = 0.88 mg/kg), and adjuvant-induced arthritis (ID(50)=0.6 mg/kg/day) in rats.
Etoricoxib reversed LPS-induced pyresis by 81% within 2 h of administration at a dose of 3 mg/kg and showed no effect in a fecal 51Cr excretion model of gastropathy at 100 mg/kg/day for 5 days.

References

Riendeau D, et al. J Pharmacol Exp Ther. 2001 Feb;296(2):558-66.

Chauret N, et al. Bioorg Med Chem Lett. 2001 Apr 23;11(8):1059-62.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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