

Piroxicam

Catalog No: tcsc2233



Available Sizes

Size: 1g

Size: 5g

Size: 10g



Specifications

CAS No:

36322-90-4

Formula:

$C_{15}H_{13}N_3O_4S$

Pathway:

Immunology/Inflammation

Target:

COX

Purity / Grade:

>98%

Solubility:

DMSO : 50 mg/mL (150.90 mM; Need ultrasonic); H2O :

Alternative Names:

CP-16171

Observed Molecular Weight:

331.35

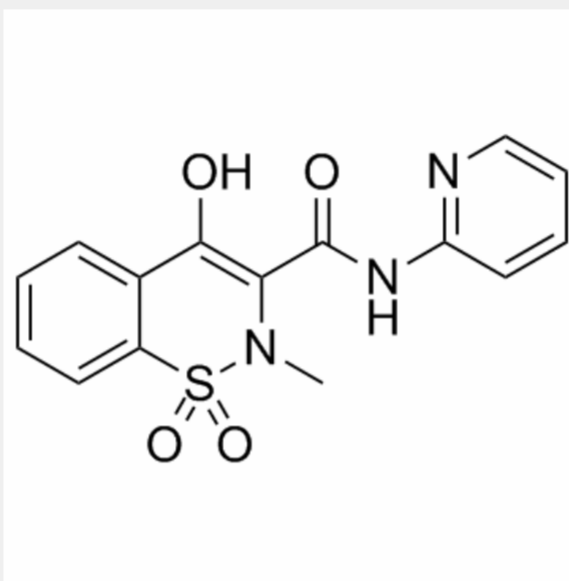
Product Description

Piroxicam is a non-steroidal anti-inflammatory drugs, acts as a **COX** inhibitor, with **IC₅₀**s of 47, 25 μ M for human monocyte COX-1 and COX-2, respectively.

IC50 & Target: IC50: 47 μ M (COX-1, in human monocytes), 25 μ M (COX-2, human monocytes)^[1]

In Vitro: Piroxicam is a non-steroidal anti-inflammatory drugs, acts as a COX inhibitor, with IC₅₀s of 47, 25 μ M for human monocyte COX-1 and COX-2, respectively^[1]. Piroxicam (167, 333, 500 μ M) decreases cell population of T24 and the 5637 cells. Piroxicam (500 μ M) also reduces the cell viability of T24 and 5637 cell, and is significantly effective when combined with 0.05 μ M carboplatin. The combination also inhibits Ki-67 expression in booth cells^[3].

In Vivo: Piroxicam (0.3 mg/kg qd 24-h p.o.) reduces tumor volume in 12 of 18 dogs, and such and effect is via induction of apoptosis and reduction in urine basic fibroblast growth factor concentration^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!