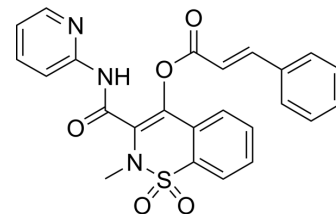


## Piroxicam cinnamate

Cat. No.:	HY-106583
CAS No.:	87234-24-0
Molecular Formula:	C <sub>24</sub> H <sub>19</sub> N <sub>3</sub> O <sub>5</sub> S
Molecular Weight:	461.49
Target:	COX
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Piroxicam cinnamate (Cinnoxicam) is a cyclooxygenase (COX) inhibitor, with anti-inflammatory activity. Piroxicam cinnamate is stable under gastric conditions, can be used for inflammatory-degenerative osteoarticular diseases, rheumatic disorders, and varicocele (VC) associated oligoasthenospermia research <sup>[1][2][4]</sup> .
<b>In Vivo</b>	Piroxicam cinnamate decreases plantar edema induced by egg's white in the rat's hind paw <sup>[3]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Poli G, et al. The Role of NLRP3 Inflammasome Activation and Oxidative Stress in Varicocele-Mediated Male Hypofertility. *Int J Mol Sci.* 2022 May 7;23(9):5233.
- [2]. Cavallini G, et al. Medical therapy of oligoasthenospermia associated with left varicocele. *BJU Int.* 2003 Apr;91(6):513-8.
- [3]. Berti M, et al. [Correlation of the lipophilicity of the active agents with their topical anti-inflammatory activity]. *Bollettino Chimico Farmaceutico*, 1992, 131(7):270-273.
- [4]. M Nakka, et al. Synthesis, characterization and anti-bacterial screening of Piroxicam based sulfonates. *J. Chem. Pharm. Res.*, 2011, 3(2):581-588.

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

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