

6- Enolic anti-inflammatory agents

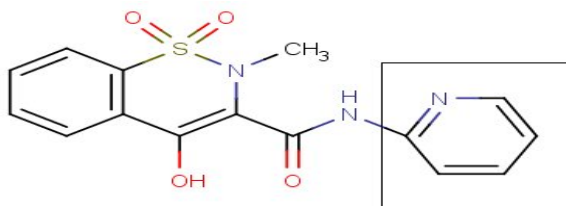


Figure 1.15: 4-hydroxy-2-methyl-1,1-dioxo-N-(pyridin-2-yl)-2H-1,2-benzothiazine-3-carboxamide.

New enolic class of non-steroidal anti-inflammatory drug with a greater inhibitory action against the inducible isoform of cyclooxygenase (COX-2) (Fig. 1.15), which is implicated in inflammatory response, than against constitutive enzyme (COX-1), COX2 inhibitors provide less gastric and kidney damage on long term uses.

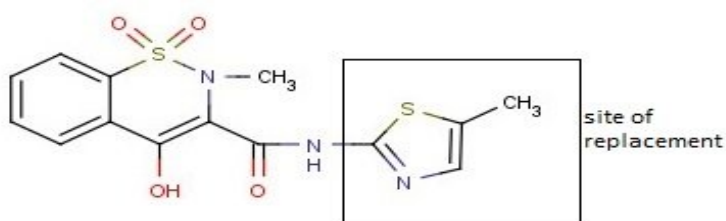


Figure 1.16: 4-hydroxy-2-methyl-N-(5-methyl-2-thiazolyl)-2H-1, 2-benzothiazine-3-carboxamide-1, 1-dioxide. (meloxicam).