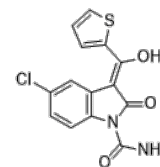


Product Name : Tenidap
Cat. No. : PC-27285
CAS No. : 120210-48-2
Molecular Formula : C₁₄H₉ClN₂O₃S
Molecular Weight : 320.75
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

Tenidap (CP-66248) is an orally active dual inhibitor of 5-LOX and cyclooxygenase (COX) with anti-inflammatory and immunomodulatory properties.

Tenidap (CP-66248) reduces A 23187-stimulated LTB₄ (IC₅₀=18 μM) and PGE₂ (IC₅₀=32 nM) synthesis.

Tenidap (CP-66248) Inhibits arachidonic acid-induced LTB₄ and PGE₂ production with IC₅₀ of 13 μM and 65 nM, respectively.

Tenidap (CP-66248) significantly inhibits the production of the pro-inflammatory cytokines, interleukin-1, interleukin-6 and tumour necrosis factor in human cell lines, and inhibits cytokine-mediated processes such as cartilage degradation, bone resorption, metalloprotease synthesis, endothelial cell adhesion and monocyte differentiation.

References

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Otterness IG, et al. Cytokine. 1991 Jul;3(4):277-83.

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

E-mail: tech@probechem.com