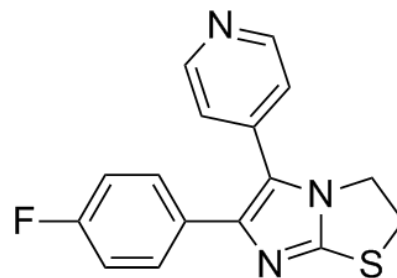


Product Name : SKF-86002
Cat. No. : PC-43080
CAS No. : 72873-74-6
Molecular Formula : C₁₆H₁₂FN₃S
Molecular Weight : 297.35
Target : p38 MAPK
Solubility : 10 mM in DMSO



Biological Activity

SKF-86002 is a potent inhibitor of p38 MAPK with IC₅₀ of 0.5-1 μM, inhibits LPS-induced IL-1 and TNF-α production in human monocyte with IC₅₀ of 1 μM; inhibits prostaglandin H₂ (PGH₂) synthase activity (IC₅₀=120 μM) as well as prostanoid production by rat basophilic leukemia (RBL-1) cells (IC₅₀=70 μM); blocks superoxide anion production in response to FMLP and reduces adhesion and chemotaxis in response to PAF or FMLP in human neutrophils; also inhibits 5-lipoxygenase- and cyclooxygenase-mediated arachidonic acid metabolism in RBL-1 cells (IC₅₀=10 and 100 μM respectively), shows anti-inflammatory in vivo.

References

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Perregaux DG, et al. *Mol Pharmacol.* 1995 Sep;48(3):433-42.

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

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