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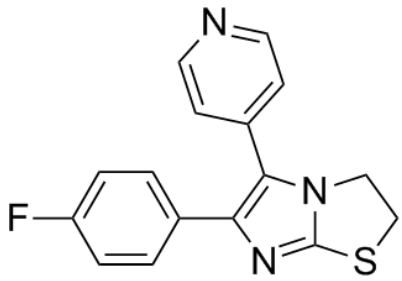
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	SKF-86002
Cat. No.	:	PC-43080
CAS No.	:	72873-74-6
Molecular Formula	:	$C_{16}H_{12}FN_3S$
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 uM, inhibits LPS-induced IL-1 and TNF-α production in human monocyte with IC50 of 1 uM.
SKF-86002 inhibits prostaglandin H2 (PGH2) synthase activity (IC50=120 uM) as well as prostanoid production by rat basophilic leukemia (RBL-1) cells (IC50=70 uM).
SKF-86002 blocks superoxide anion production in response to FMLP and reduces adhesion and chemotaxis in response to PAF or FMLP in human neutrophils.
SKF-86002 also inhibits 5-lipoxygenase- and cyclooxygenase-mediated arachidonic acid metabolism in RBL-1 cells (IC50=10 and 100 uM respectively), shows anti-inflammatory in vivo.

References

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Nick JA, et al. ***J Clin Invest***. 1997 Mar 1;99(5):975-86.

Lee JC, et al. ***Nature***. 1994 Dec 22-29;372(6508):739-46.

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

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