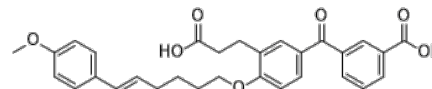


Product Name : LY223982
Cat. No. : PC-27538
CAS No. : 117423-74-2
Molecular Formula : C₃₀H₃₀O₇
Molecular Weight : 502.56
Target : Leukotriene Receptor
Solubility : 10 mM in DMSO



Biological Activity

LY223982 (CGS23131, SKF107324) is a potent, selective chemotaxin leukotriene B₄ (LTB₄) receptor with IC₅₀ of 13.2 nM against [3H]LTB₄ binding to LTB₄ receptor.

LY223982 blocks LTB₄-induced (20 nM) release of formyl peptides (i.e., CHP), LTB₄ and C5a with IC₅₀ of 52 nM.

LY223982 is 189-fold more effective in displacing [3H]LTB₄ than 35S-N-formyl-L-methionyl-L-leucyl-L-phenylalanine (FMLP) from their corresponding receptors on human neutrophils.

LY223982 is a potent antagonist of the aggregation of human neutrophils by LTB₄ with IC₅₀ of 100 nM.

LY223982 inhibits transient leukopenia induced in rabbits with LTB₄ (ED₅₀, 3 mg/kg), but not FMLP.

References

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Jackson WT, et al. J Pharmacol Exp Ther. 1992 Dec;263(3):1009-14.

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

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