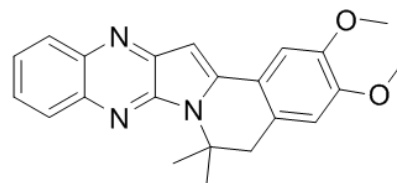


Product Name : YM-90709
Cat. No. : PC-45769
CAS No. : 163769-88-8
Molecular Formula : C₂₂H₂₁N₃O₂
Molecular Weight : 359.4211
Target : Interleukin Receptor
Solubility : 10 mM in DMSO



Biological Activity

YM-90709 (YM90709) is a potent **IL-5 receptor** antagonist that inhibits the binding of IL-5 to its receptor on peripheral human eosinophils and butyric acid-treated eosinophilic HL-60 clone 15 cells with IC₅₀ of 1.0 and 0.57 μ M, respectively. YM-90709 inhibits IL-5-prolonged eosinophil survival with IC₅₀ of 0.45 μ M and does not affect the GM-CSF-prolonged eosinophil survival.

YM-90709 inhibits antigen-induced infiltration of eosinophils and lymphocytes into the bronchoalveolar lavage fluid (BALF) in BN rats (EC₅₀=0.32 mg/kg and 0.12 mg/kg, respectively).

References

Morokata T, et al. *Int Immunopharmacol.* 2002 Nov;2(12):1693-702.

Morokata T, et al. *Int Immunopharmacol.* 2004 Jul;4(7):873-83.

Morokata T, et al. *Immunol Lett.* 2005 Apr 15;98(1):161-5.

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

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