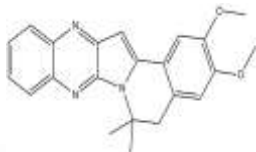


PRODUCT: YM-90709**ALTERNATE NAME:** 5,6-Dihydro-2,3-dimethoxy-6,6-dimethylbenz[7,8]indolizino[2,3-b]quinoxaline**CATALOG #:** B1074-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₂H₂₁N₃O₂**MOLECULAR WEIGHT:** 359.43**CAS NUMBER:** 163769-88-8**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO (>15 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** YM-90709 is a selective inhibitor of interleukin-5 (IL-5). YM-90709 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 values of 1.0 and 0.57 μM, respectively. In functional assays, YM-90709 inhibits IL-5-prolonged eosinophil survival with an IC₅₀ value of 0.45 μM and does not affect the GM-CSF-prolonged eosinophil survival.**REFERENCES:** Morokata, T., *et al.* (2005). *Immunol.Lett.* **98**, 161-165.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

IL-5, human recombinant (4140-10, 4140-1000);

IL-5, rat recombinant (4142-10, 4142-1000)

IL-5 (Human), ELISA Kit (**K4156-100**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**