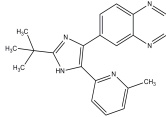


PRODUCT: SB-525334**ALTERNATE NAME:** 6-[2-(1,1-Dimethylethyl)-5-(6-methyl-2-pyridinyl)-1*H*-imidazol-4-yl]quinoxaline**CATALOG #:** 2880-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₁H₂₁N₅**MOLECULAR WEIGHT:** 343.42**CAS NUMBER:** 356559-20-1**APPEARANCE:** Orange solid**SOLUBILITY:** DMSO (>30 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** SB-525334 is a potent and selective inhibitor of transforming growth factor-β receptor I (ALK5, TGF-βRI) (IC₅₀ = 14.3 nM); displays 4-fold less potency against ALK4 (IC₅₀ = 58.5 nM) and inactive as an inhibitor of ALK2, ALK3, and ALK6 (IC₅₀ > 10,000 nM). In cell-based assays, SB-525334 (1 μM) blocks TGF-β1-induced phosphorylation and nuclear translocation of Smad2/3 in renal proximal tubule cells and inhibits TGF-β1-induced increases in plasminogen activator inhibitor-1 (PAI-1) and procollagen α1(I) mRNA expression in A498 renal epithelial carcinoma cells.**REFERENCES:** Grigielko, E.T., *et al.* (2005). *J. Pharmacol. Exp. Ther.* 313, 943-951.;**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**A83-01 (**Cat. No. 1725-1**)EZSolution™ A83-01, Sterile-Filtered (**Cat. No. 1989-1**)GW788388 (**Cat. No. 2820-10, 50**)IDT-1 (**Cat. No. 2879-10, 50**)LY364947 (**Cat. No. 2646-1,5**)RepSox (**Cat. No. 1894-5, 25**)EZSolution™ RepSox (**Cat. No. 2641-5**)SB-431542 (**Cat. No. 1674-1, 5**)EZSolution™ SB-431542, Sterile-Filtered (**Cat. No. 1992-1**)SMAD3 Inhibitor, SIS3 (**Cat. No. 2227-1, 5**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**