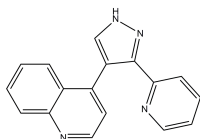


Product: LY364947**ALTERNATE NAME:** 4-[3-(2-Pyridinyl)-1*H*-pyrazol-4-yl]-quinoline; HTS 466284**CATALOG #:** 2646-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₇H₁₂N₄**MOLECULAR WEIGHT:** 272.31**CAS NUMBER:** 396129-53-6**APPEARANCE:** Off-white solid**SOLUBILITY:** DMSO (~25 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from light**DESCRIPTION:** LY364947 is a selective inhibitor of TGF-β RI (TGFR-I, TβR-I, ALK-5), with an IC₅₀ value of 59 nM. LY364947 only weakly inhibits TGF-β RII (IC₅₀ = 400 nM), p38 MAPK (IC₅₀ = 740 nM), and mixed lineage kinase-7 (MLK-7; IC₅₀ = 1,400 nM). It inhibits TGF-β-induced cell growth (IC₅₀ = 89 nM) in NIH 3T3 mouse fibroblasts and TGF-β-directed Smad phosphorylation, synthesis of fibronectin, PAI-1 and uPA protein, and matrigel invasion in MDA-MB-231 cells.**REFERENCE:** Sawyer, J.S., *et al.* (2003). *J. Med. Chem.* **46**, 3953-3956.**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)

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)

FOR RESEARCH USE ONLY! Not to be used on humans.