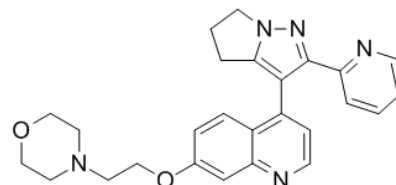


Product Name : LY2109761
Cat. No. : PC-42887
CAS No. : 700874-71-1
Molecular Formula : C₂₆H₂₇N₅O₂
Molecular Weight : 441.5249
Target : TGF beta Receptor (TGFBR)
Solubility : 10 mM in DMSO



Biological Activity

LY2109761 is a potent, selective and orally active **TGF-β RI/II** dual inhibitor with K_i of 38/300 nM, respectively. LY2109761 completely inhibits TGF-β-induced Sma2 phosphorylation on tumor cells or the liver microenvironment, inhibits the L3.6pl/GLT soft agar growth. LY2109761 suppresses both basal and TGF-β1-induced cell migration and invasion, and stimulates anoikis in vitro. LY2109761 significantly reduces the tumor burden as well as spontaneous abdominal metastases, and prolongs survival combined with gemcitabine in vivo model of pancreatic cancer.

References

- Mazzocca A, et al. *Hepatology*. 2009 Oct;50(4):1140-51.
Zhang M, et al. *Cancer Res*, 2011, 71(23), 7155-7167.
Melisi D, et al. *Mol Cancer Ther*, 2008, 7(4), 829-840.

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

E-mail: tech@probechem.com