

Product Name : LY2109761

Synonyms : LY 2109761; LY-2109761

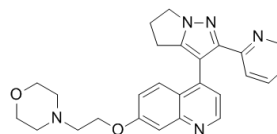
Cat No. : M15688

CAS Number : 700874-71-1

Molecular Formula : C₂₆H₂₇N₅O₂

Formula Weight : 441.52

Chemical Name : Quinoline, 4-[5,6-dihydro-2-(2-pyridinyl)-4H-pyrrolo[1,2-b]pyrazol-3-yl]-7-[2-(4-morpholinyl)ethoxy]-



Description : A potent, selective and orally active TGF- β RI/II dual inhibitor with K_i of 38/300 nM, respectively; completely inhibits TGF- β -induced Sma2 phosphorylation on tumor cells or the liver microenvironment, inhibits the L3.6pl/GLT soft agar growth, suppresses both basal and TGF- β 1-induced cell migration and invasion, and stimulates anoikis in vitro; significantly reduces the tumor burden as well as spontaneous abdominal metastases, and prolongs survival combined with gemcitabine in vivo model of pancreatic cancer.

Pathway : TGF-beta/Smad

Target : TGFBR

Receptor : T β RI; T β RII

Solubility : 10 mM in DMSO

SMILES : N1(CCOC2=CC=C3C(C4=C(CCC5)N5N=C4C6=NC=CC=C6)=CC=NC3=C2)CCOCC1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Mazzocca A, et al. Hepatology. 2009 Oct;50(4):1140-51. | 2. Zhang M, et al. Cancer Res, 2011, 71(23), 7155-7167. | 3. Melisi D, et al. Mol Cancer Ther, 2008, 7(4), 829-840.