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## LY2109761

产品编号: D50731

CAS: 700874-71-1

分子式: C<sub>26</sub>H<sub>27</sub>N<sub>5</sub>O<sub>2</sub>

纯度: ≥98%

InChi: InChi=1S/C<sub>26</sub>H<sub>27</sub>N<sub>5</sub>O<sub>2</sub>/c1-2-9-27-22(4-1)26-25(24-5-3-11-31(24)29-26)21-8-10-28-23-18-19(6-7-20(21)23)33-17-14-30-12-15-32-16-13-30/h1-2,4,6-10,18H,3,5,11-17H2

InChi Key: IHLVSLOZUHKNMQ-UHFFFAOYSA-N

Smiles: C(COC1C=C2N=CC=C(C3C(=NN4CCCC4=3)C3C=CC=CN=3)C2=CC=1)N1CCOCC1

外观: 固体粉末

作用通路: Autophagy

溶解性: DMSO up to 100 mM

保存条件: Store in dry, dark place for one year.

产品介绍: LY2109761 is a highly potent and selective TGFβ receptor type I and type II (TβRI/II) inhibitor with K<sub>i</sub> of 38 nM and 300 nM respectively. Blocking TβRI/II kinase activity with LY2109761 completely suppresses both the basal and TGF-β1-stimulated migration and invasion of L3.6pl/GLT cells, and completely suppresses TGF-β-induced Smad2 phosphorylation. LY2109761 treatment at 1 nM is sufficient to significantly block the migration and invasion but not adhesion of hepatocellular carcinoma cells by increasing E-cadherin expression. It can also reduce the self-renewal and proliferation of GBM-derived cancer stem-like cells, which can be significantly enhanced when combined with radiation. Administration of LY2109761 alone or in combination with gemcitabine or with radiation demonstrated very good efficacy in multiple xenograft mice models.