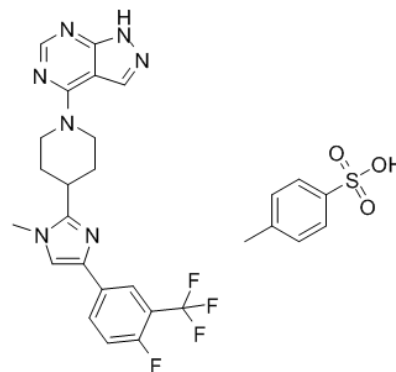


Product Name : LY2584702 tosylate
Cat. No. : PC-43059
CAS No. : 1082949-68-5
Molecular Formula : C₂₈H₂₇F₄N₇O₃S
Molecular Weight : 617.6177
Target : Ribosomal S6 Kinase (RSK)
Solubility : DMSO: 10.25 mg/mL



Biological Activity

LY2584702 tosylate is a potent, selective, ATP-competitive inhibitor of P70 S6 kinase-1 (**p70S6K1**) with IC₅₀ of 4 nM.

LY2584702 tosylate blocks phosphorylation of p70S6K in primary rat hepatocytes without affecting the phosphorylation of other signaling kinases, including GSK-3β and ERK1/2.

LY2584702 tosylate inhibits phosphorylation of p70S6K in HCT116 colon cancer cells with IC₅₀ of 0.1-0.24 μM.

LY2584702 tosylate demonstrates significant antitumor efficacy in both U87MG glioblastoma and HCT116 colon carcinoma xenograft models.

References

Estridge TB, et al. *J Pharmacol Exp Ther*. 2017 Jul;362(1):108-118.

Tolcher A, et al. *Eur J Cancer*. 2014 Mar;50(5):867-75.

Hollebecque A, et al. *Eur J Cancer*. 2014 Mar;50(5):876-84.

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

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