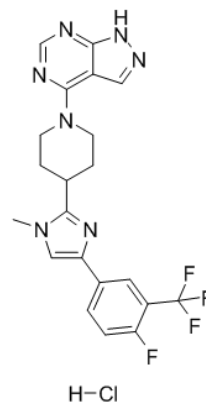


Product Name : LY-2584702 hydrochloride
Cat. No. : PC-43060
CAS No. : 1082948-81-9
Molecular Formula : C₂₁H₂₀ClF₄N₇
Molecular Weight : 481.877
Target : Ribosomal S6 Kinase (RSK)
Solubility : 10 mM in DMSO



Biological Activity

LY2584702 is a potent, selective, ATP-competitive inhibitor of P70S6 kinase-1 (p70S6K1) with IC₅₀ of 4 nM; blocks phosphorylation of p70S6K in primary rat hepatocytes without affecting the phosphorylation of other signaling kinases, including GSK-3 β and ERK1/2; inhibits phosphorylation of p70S6K in HCT116 colon cancer cells with IC₅₀ of 0.1-0.24 μ M, demonstrates significant antitumor efficacy in both U87MG glioblastoma and HCT116 colon carcinoma xenograft models.
Solid Tumors
Phase 1 Discontinued

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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