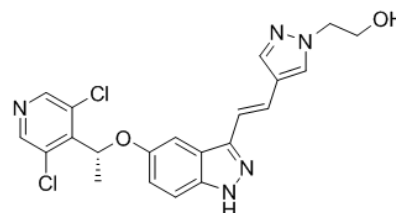


Product Name : LY2874455
Cat. No. : PC-43480
CAS No. : 1254473-64-7
Molecular Formula : C₂₁H₁₉Cl₂N₅O₂
Molecular Weight : 444.31
Target : FGFR
Solubility : 10 mM in DMSO



Biological Activity

LY2874455 is a potent, selective **pan-FGFR** inhibitor with IC₅₀ of 2.8/2.6/6.4/6 nM for FGFR1/2/3/4, respectively. LY2874455 inhibits FGFR2 phosphorylation in SNU-16 and KATO-III cells with IC₅₀ of 0.8 and 1.5 nM, also inhibits the phosphorylation of FRS2, an immediate downstream target of FGFR, with a similar potency of 0.8 to 1.5 nM. LY2874455 exhibits a potent activity against FGF/FGFR-mediated signaling in several cancer cell lines and shows an excellent broad spectrum of antitumor activity in several tumor xenograft models representing the major FGF/FGFR relevant tumor histologies including lung, gastric, and bladder cancers and multiple myeloma.

References

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Kim SY, et al. *Oncotarget.* 2017 Feb 28;8(9):15014-15022.
Michael M, et al. *Target Oncol.* 2017 Aug;12(4):463-474.

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

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