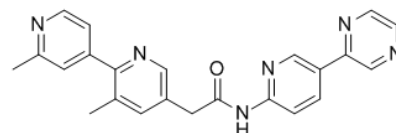


Product Name : LGK974
Cat. No. : PC-45342
CAS No. : 1243244-14-5
Molecular Formula : $C_{23}H_{20}N_6O$
Molecular Weight : 396.4445
Target : Porcupine
Solubility : DMSO: ≥ 32 mg/mL



Biological Activity

LGK974 (WNT974) is a potent and specific small-molecule **Porcupine (PORCN)** inhibitor with IC50 of 1 nM in the PORCN radioligand binding assay.

WNT974 potently inhibits Wnt signaling with IC50 of 0.4 nM, with no major cytotoxicity.

WNT974 reduces Wnt-dependent LRP6 phosphorylation and the expression of Wnt target genes, such as AXIN2.

WNT974 is potent and efficacious in multiple tumor models at well-tolerated doses in vivo.

References

Liu J, et al. **Proc Natl Acad Sci U S A**. 2013 Dec 10;110(50):20224-9.

Jiang X, et al. **Proc Natl Acad Sci U S A**. 2013 Jul 30;110(31):12649-54.

Moon J, et al. *Proc Natl Acad Sci U S A*. 2017 Feb 14;114(7):1649-1654.

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

E-mail: tech@probechem.com