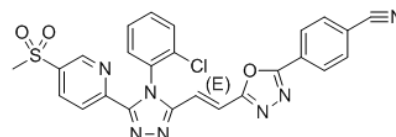


Product Name : G007-LK
Cat. No. : PC-43035
CAS No. : 1380672-07-0
Molecular Formula : C₂₅H₁₆ClN₇O₃S
Molecular Weight : 529.9576
Target : PARP
Solubility : DMSO: ≥ 30 mg/mL



Biological Activity

G007-LK is a potent, specific, metabolically stable **TNKS1/2** inhibitor with IC₅₀ of 46 nM and 25 nM, respectively.

G007-LK reduces Wnt/β-catenin signaling by preventing poly(ADP-ribosyl)ation-dependent AXIN degradation, thereby promoting β-catenin destabilization.

G007-LK effectively blocks ligand-driven Wnt/β-catenin signaling in cell culture and displays approximately 50% inhibition of APC mutation-driven signaling in most CRC cell lines, inhibits the growth of mouse intestinal organoids cultured ex vivo with IC₅₀ of 80 nM.

G007-LK inhibits in vivo tumor growth in a subset of APC-mutant CRC xenograft models.

References

Voronkov A, et al. *J Med Chem.* 2013 Apr 11;56(7):3012-23.

Lau T, et al. *Cancer Res.* 2013 May 15;73(10):3132-44.

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

E-mail: tech@probechem.com