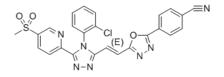


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Product Name	:	G007-LK
Cat. No.	:	PC-43035
CAS No.	:	1380672-07-0
Molecular Formula	:	C ₂₅ H ₁₆ CIN ₇ O ₃ S
Molecular Weight	:	529.9576
Target	:	PARP
Solubility	:	DMSO: ≥ 30 mg/mL



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 g 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